

VILLAGE OF LIBERTYVILLE BOARD OF TRUSTEES

**Meeting of the
Parks and Recreation Committee
Village Hall
118 W. Cook Avenue, Libertyville
Tuesday, September 6, 2016
6:00 pm**

1. Approve Minutes of the August 8, 2016 Meeting
2. Hockey Rink Relocation Update
3. Libertyville Senior Center Update
4. Cook Park Buy-a-Brick Program Update
5. Eagle Scout Butler Lake Park Sign Project
6. SWALCO Re-use-a-Shoe Program
7. Founders 55 Presentation-Charters of Freedom Project
8. Other Updates/Follow-up
 - A) LSC Website Redesign Update
 - B) Libertyville Golf Course Update (Verbal)
 - C) Butler Lake Sunken Garden Update (Verbal)
 - D) EAB Progress Update (Attached)
 - E) Libertyville Recreation and Sports Complex Events Schedule (Attached)
 - F) Recreation and Sports Complex Marketing & Publicity (Attached)
 - G) Other
9. Adjournment

Any individual who would like to attend this meeting but because of a disability needs accommodation to participate should contact the ADA Coordinator at 118 West Cook Ave, Libertyville, 847-362-2430.

VILLAGE OF LIBERTYVILLE
Meeting Minutes of the Parks and Recreation Committee
Libertyville Sports Complex
Tuesday, August 2, 2016

Trustee Rich Moras called the meeting to order at 6:02 p.m. on Tuesday, August 2, 2016. Parks and Recreation Committee members in attendance included Trustees Pete Garrity and Rich Moras. Chairman Todd Gaines was absent from the meeting. Recreation and Sports Complex staff included Director of Recreation and Sports Complex Connie Kowal, Recreation Manager Julie Ludwig and Administrative Secretary Julie Fanning. Also in attendance included Mayor Terry Weppler, Village Administrator Kevin Bowens and Superintendent of Parks, Forestry and Grounds Jim Barlow and Village Engineer Fred Chung.

1) Minutes of the Parks and Recreation Committee

Trustee Rich Moras motioned to approve the Tuesday, July 5, 2016 meeting minutes. Trustee Pete Garrity seconded. Minutes approved.

2) Dog Days of Summer Follow-up

Event Promotor Bill Kaiser thanked the Village for the interim involvement in the 2016 Dog Days of Summer event while a new event promoter is found. Mr. Kaiser noted that attendance was approximately 5,000-6,000. Vendors reported record numbers and retail sales did well. Mr. Kaiser thanked Mike Burnett of the Libertyville Running club for heading the walk/run event with approximately 140 participants. Safehaven Animal Shelter reported 60 dogs adopted from the event which was the highest adoption rate of its type. Mr. Kaiser has been discussing the event with possible business owners to take over the event. The Committee thanked Mr. Kaiser for his efforts in the Dog Days of Summer Event.

3) Butler Lake Sunken Garden Update

Director Kowal submitted two sample dedication plaque options for review. Option 1 included no logo and option 2 included the Village logo. Trustee Moras noted that the logo constrained the overall plaque layout. The Committee recommended option 1 without the logo. A dedication ceremony will be held once on the water fountain construction is completed.

4) Libertyville Golf Course Update

Director Kowal spoke with golf course architect Rick Jacobson of Jacobson Golf Course Design, Inc. and designer of the Libertyville Driving Range. The irrigation system and pump house at the Golf Course has several issues due inactivity since 2013 as BCS Golf, Inc. indicated there was no need for the irrigation system due to their installation of their artificial greens, tees and sandtraps. Preliminary estimates to re-open the Libertyville Golf Course is \$475,000 to resurface the greens, tees and to install a new irrigation system.

5) Other Updates

A) Cook Park Buy-a-Brick Program

Administrator Bowens explained the cost difference increase of \$1.50 per brick to engrave new bricks versus using the existing bricks in the park which may not be able to engrave. It was suggested by Impressions in Stone to offer a memento brick to be offered for purchase to keep in the office or a home area that would be of the same design as the engraved brick. Trustee Garrity suggested staff reviewing the Northern Illinois University brick program for ideas.

B) Libertyville Senior Center Update

Director Kowal briefed the Committee that seven applications were received for the Senior Center Assistance Coordinator position. Recreation Manager Julie Ludwig will hold interviews in August with the position starting in September. The volunteer position posting gained five additional volunteers. Resident Joyce Quilty suggested utilizing a shuttle to transport the displaced Senior Center patrons due to

the parking garage construction and possibly using the funds that have not yet been used towards the new Senior Center Assistant Coordinator position to allocate towards a transport. Trustee Pete Garrity suggested they ask Mainstreet Libertyville if they could use their shuttle and learn the costs for the shuttle that is used for Out to Lunch events. Trustee Moras thanked the Senior Center supporters for their consistent attendance to the meetings and for their request.

C) EAB Progress Update

Superintendent Barlow noted that staff removed 100 of the 200 trees for the season.

D) Libertyville Recreation and Sport Complex Event Schedule

Director Kowal summarized the upcoming schedule of events for the Recreation and Sports Complex Department.

E) Recreation & Sports Complex Marketing & Publicity

Director Kowal highlighted the various marketing and publicity efforts for the department.

F) Other

Woodchips Update

Trustee Garrity asked the status of the woodchips. Superintendent Barlow indicated that there is a special type of certified woodchips. Staff is waiting on the certified landscaper to install the wood chips.

Signage for the Timber Creek Bike Path Entrance

It was recommended that signage be displayed on the Village property side of the Timber Creek Bike path indicating identification of the trail as well as warning signage for no parking and yield signage for bike traffic.

Maintenance of Cook Park

Mayor Weppler thanked the Park Division for their fantastic job in maintaining the Cook Park grounds with the increased traffic in Cook Park due to the parking garage construction project.

6) Hockey Rink Relocation Update and Tour

Trustee Moras reiterated that the Committee is in the process of investigating the possibility of a hockey rink at the Sports Complex and no final location has been finalized. Village Engineer Fred Chung noted that the potential green space area has a four foot grade which is a fairly flat area and there is potential to fit additional parking between the hockey rink and the softball field. Additionally, the detention basin is currently large enough to accommodate the hockey rink structure so no adjustments will need to be made. The Committee and staff toured the potential hockey rink area. It was noted that there would be no need to move the west berm to accommodate the hockey rink.

The Committee requested Staff conduct soil sampling at the site and other next steps to consider for this site.

A motion to adjourn by Trustee Rich Moras and seconded by Trustee Pete Garrity.

Meeting adjourned at 7:16 pm.

Respectfully submitted,



Julie Fanning, Administrative Secretary
Recreation and Sports Complex Department
Village of Libertyville

Memorandum

To: Members of the Parks and Recreation Committee

From: Connie Kowal, Director of Recreation and Sports Complex

Date: August 31, 2016

Subject: Hockey Rink Relocation Update

At the August 2, 2016 Committee meeting, Staff and Committee members took a site inspection tour of an area at the northwest corner of the Libertyville Sports Complex, adjacent to the LSC Softball Field, as a possible site for the relocation of the Bolander Hockey Rink, as well as reviewing areas for relocation of landbanked parking areas. After the tour of the site and review and discussion, Committee members directed Staff to explore the next steps pertaining to soil testing. Fred Chung of the Engineering Division of the Public Works engaged the services of Rubino Engineering. Their report is attached. In summary, it indicates the soil is conducive to proceed with the next steps for the project.

Fred Chung contacted Gewalt Hamilton to determine their fees to assist the Village in a conceptual design and Engineering Cost Estimate for rink construction and their information is attached.

Staff recommends engaging the services of Gewalt Hamilton to conduct this next step for the Hockey Rink Relocation Project.

Connie Kowal

From: Fred Chung
Sent: Friday, August 26, 2016 3:49 PM
To: Mei Zhu
Cc: Connie Kowal
Subject: RE: Hockey Rink Estimated Fee

Thanks Mei!

Fred

From: Mei Zhu [<mailto:mzhu@gha-engineers.com>]
Sent: Friday, August 26, 2016 3:21 PM
To: Fred Chung
Subject: Hockey Rink Estimated Fee

Hi Fred,

Our estimated fee would be about \$1,650 for the following tasks:

One meeting with the Village \$400
Conceptual design \$550
EOPC for the rink construction \$700

Please let me know if you have questions.

Thanks!

Mei

Mei Zhu, P.E., CFM, LEED AP
Associate / Senior Engineer

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REPORT TRANSMITTAL

August 26th, 2016

To: Frederick Chung
Village of Libertyville
200 East Cook Avenue
Phone: 847.247.5435
Mobile: 847.344.1347

Re: **Geotechnical Engineering Services Report**
Proposed Ice Rink
Libertyville Sports Complex
1950 N. Highway 45
Libertyville, Illinois

Rubino Report No. G16.112

Via email: fchung@libertyville.com

Dear Mr. Chung,

Rubino Engineering, Inc. (Rubino) is pleased to submit our Geotechnical Engineering Services Report for the Proposed Ice Rink in Libertyville, Illinois.

Report Description

Enclosed is the Geotechnical Services Report including results of field and laboratory testing, as well as recommendations for foundation design, and general site development.

Authorization and Correspondence History

- Rubino Proposal No. Q16.320g dated August 12th, 2016; Authorized by Frederick Chung of the Village of Libertyville.

Closing

Rubino appreciates the opportunity to provide geotechnical services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully submitted,
RUBINO ENGINEERING, INC.

Michelle A. Lipinski, PE
President

michelle.lipinski@rubinoeng.com

MAL/file/ Enclosures

PROPOSED ICE RINK

**LIBERTYVILLE SPORTS COMPLEX
1950 N. HIGHWAY 45**

LIBERTYVILLE, ILLINOIS

RUBINO PROJECT NO. G16.112

***Geotechnical
Services
Report***

*Pavement Cores
Soil Sampling
DCP*

PREPARED BY:

rubino
ENGINEERING INC.

**Michelle A. Lipinski, PE
President
IL No. 062-061241, Exp. 11/30/15**

PREPARED FOR:

VILLAGE OF LIBERTYVILLE

200 E COOK AVENUE

LIBERTYVILLE, ILLINOIS

AUGUST 26TH, 2016



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PROJECT INFORMATION

Rubino understands that the Village of Libertyville is planning to construct a new Ice Rink at the Libertyville Sports Complex located at 1950 N. Highway 45 in Libertyville, Illinois. This report presents geotechnical design and construction recommendations for the proposed structure.

Documents received:

- RFP Email from Frederick Chung of the Village of Libertyville on August 12th, 2016.
- "Soil Boring Locations" - prepared by the Village of Libertyville.

The geotechnical recommendations presented in this report are based on the available project information, location, and the subsurface materials described in this report.

If any of the information on which this report is based is incorrect, please inform Rubino in writing so that we may amend the recommendations presented in this report (if appropriate, and if desired by the client). Rubino will not be responsible for the implementation of our recommendations if we are not notified of changes in the project.

Purpose / Scope of Services

The purpose of this study was to explore the subsurface conditions at the site in order to prepare geotechnical recommendations for subgrade stability.

Rubino's scope of services included the following field exploration program:

Number of Hand Augers	Hand Auger Depth (feet BEG*)	Location
4	5	Adler Park

*BEG = below existing grade

Representative soil samples obtained during the field exploration program were transported to the laboratory for additional classification and laboratory testing.

This report briefly outlines the following:

- Summary of client-provided project information and report basis
- Overview of encountered subsurface conditions
- Overview of field and laboratory tests performed including results
- Geotechnical recommendations pertaining to:
 - Subgrade preparation and cut / fill recommendations
- Construction considerations, including temporary excavation and construction control of water



DRILLING, FIELD, AND LABORATORY TEST PROCEDURES

The Village of Libertyville selected the number of cores and the soil sampling depths. Rubino located the cores in the field using a Garmin GPSMap 64s.

Selected soil samples were tested in the laboratory to determine material properties for this report. Field and laboratory testing was accomplished in general accordance with ASTM or IL Modified AASHTO procedures, as applicable. The following items are further described in the Appendix of this report.

- *Dynamic Cone Penetrometer (DCP) Testing ASTM D6951*
- *Field Water Level Measurements*
- *Laboratory Determination of Unconfined Compressive Strength (ASTM D2166)*
- *Laboratory Determination of Water (Moisture) Content of Soil by Mass (ASTM D2216)*
- *Laboratory Determination of Atterberg Limits (ASTM D4318)*
- *Laboratory Organic Content by Loss on Ignition (ASTM D2974)*

The results of the laboratory tests can be found on the accompanying boring logs or on subsequent pages located in the Appendix.

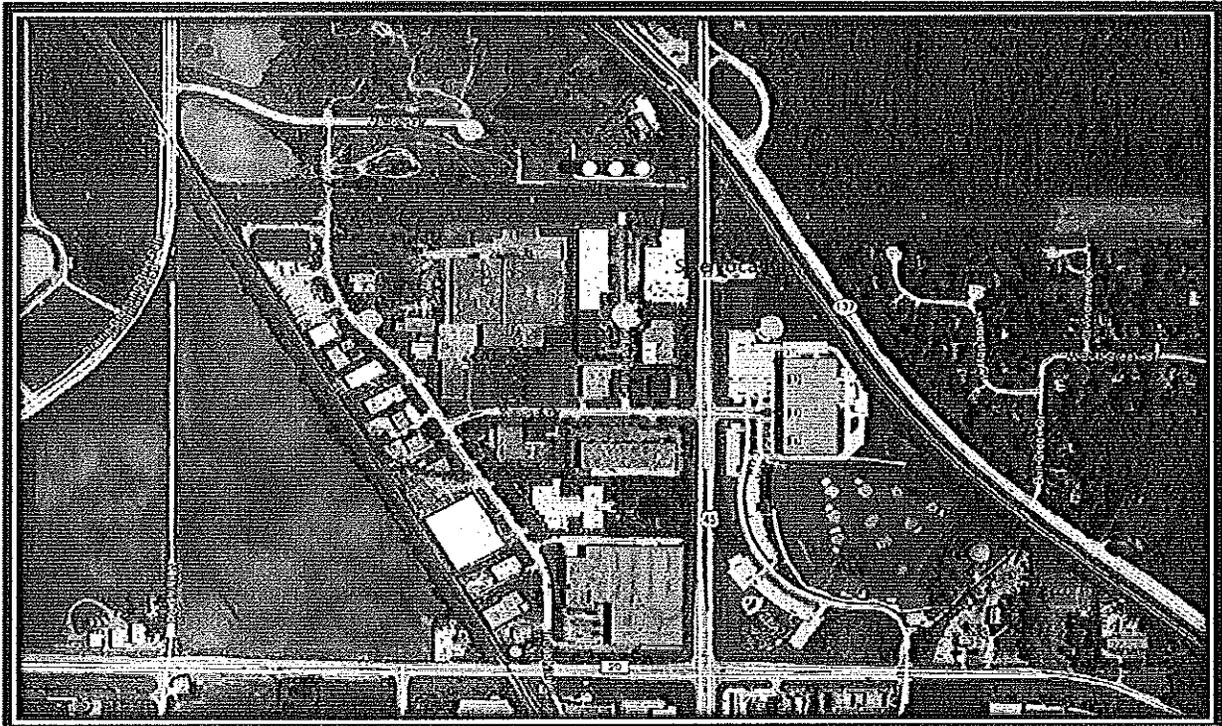


SITE AND SUBSURFACE CONDITIONS

Site Location and Description

The general site location of exploration included the Libertyville Sports Complex located at 1950 N. Highway 45 in Libertyville, Illinois. The site location has an approximate latitude and longitude of 42° 18' 41.72" N and 88° 00' 13.32" W, respectively.

The soil borings were taken within the existing pavement and the map below shows the general site location:



Subsurface Conditions

Beneath the existing surficial topsoil, subsurface conditions generally consisted of brown, silty clay soils.

- In general, the **topsoil thicknesses** was approximately 6 inches.
- The native **silty clay soils** were generally stiff to very stiff in consistency.

Field and laboratory test results are summarized in the following table:



DEPTH RANGE (FT)	SOIL DESCRIPTION	DCP VALUES (BLOWS PER 6 IN.)	MOISTURE CONTENT (%)	ATTERBERG LIMITS, LL / PI (%)	ESTIMATED UNCONFINED COMPRESSIVE STRENGTH, Q_u (TSF)
½ - 5	Stiff to hard silty CLAY	6 - 25	17 - 21	29 - 38 / 12 - 18	2.0 - 4.0 tsf

The native soils were visually classified as silty clay (CL) according to the Unified Soil Classification System (USCS). The above table is a general summary of subsurface conditions. Please refer to the boring logs for more detailed information.

Groundwater Conditions

Groundwater was not generally observed during hand auger sampling. The natural moisture content of the soils indicates that the soils are likely saturated.

Groundwater measurements are difficult in core holes due to the use of water while coring the pavement. It should also be noted that fluctuations in the groundwater level should be anticipated throughout the year depending on variations in climatological conditions and other factors not apparent at the time the borings were performed.

The possibility of groundwater level fluctuation should be considered when developing the design and construction plans for the project.

EVALUATION AND RECOMMENDATIONS

Geotechnical Site Considerations

The main geotechnical design and construction considerations at this site are:

- In general, the site appears to be generally suitable for the development of an outdoor ice arena with the following recommendations:
 - A drainage layer should be incorporated into design for the ice rink. The drainage layer should consist of a granular mat at least 10 inches thick and should be placed on subgrade that has been sloped to drain. Consideration should be given to incorporating perimeter drains and underdrains.
 - If an open-graded stone is used for the granular mat, a filter fabric should be used to mitigate fines migrating into the void spaces of the stone.



- **Topsoil** was observed within the borings at depths of up to approximately 6 inches below existing grade. See Topsoil Discussion section for more detailed information.
- **Subgrade soils** generally consisted of brown silty clay with a stiff to very stiff consistency. See Subsurface Conditions section for more detailed information.
 - Subgrade soils were classified as silty clay and based on laboratory testing, generally fall into the high to very high “frost susceptible” category.
 - **Fine-grained soils** such as silts and clays are highly susceptible to moisture fluctuation and can become unstable when exposed to freeze/thaw cycles, additional moisture such as precipitation, and construction traffic.
 - Exposed soils with moisture contents greater than 25% are more likely to fail a **proofroll**, especially when exposed to moisture or construction traffic.
- During subgrade preparation, Rubino recommends that one of our representatives be onsite for **typical observations and documentation** of proofrolling and penetrometer testing of the subgrade.

The geotechnical-related recommendations in this report are presented based on the subsurface conditions encountered and Rubino's understanding of the project. Should changes in the project criteria occur, a review must be made by Rubino to determine if modifications to our recommendations will be necessary.

Topsoil Discussion

The observed topsoil thickness was approximately 6 inches at each of the test locations. Topsoil is defined as the upper, moist layer of soil and usually has the highest concentration of organic matter and microorganisms. There is a possibility that topsoil may be encountered at other depths along the site.

The topsoil at this site did not appear to be organic, therefore the Village may choose to keep it on site as long as it is not organic at other locations on the site. Organic soils typically have organic contents greater than 10%. Roots and vegetation should be removed as discussed below.

Topsoil materials as described in this report have not been analyzed for quality according to any minimum specifications. If topsoil is to be imported to or exported from this site, Rubino recommends that it meet the minimum specifications defined by the requirements of **Section 1081.05** of the, “Standard Specifications for Road and Bridge Construction,” adopted by the Illinois Department of Transportation, April 1st, 2016.

Subgrade Preparation and Testing

Prior to construction of the ice rink, the prepared subgrade should be proofrolled using a loaded tandem axle dump truck or similar type of pneumatic tired equipment with a minimum gross weight of 9 tons per single axle. Localized soft areas identified should be repaired prior to construction of the ice rink. Moisture content of the subgrade be maintained between -2% and +3% of the



optimum at the time of construction of the ice rink. It may require rework when the subgrade is either desiccated or wet.

Areas of low support or soft spots should be tested with either a Static Cone Penetrometer (SCP) or Dynamic Cone Penetrometer (DCP). The results of the DCP or SCP tests should be evaluated according to IDOT's Subgrade Stability Manual, to determine the necessary depth of corrective action.

Construction traffic should be minimized to prevent unnecessary disturbance of the pavement subgrade. Disturbed areas, as documented in the field by Rubino, should be removed and replaced with properly compacted material.

CLOSING

The recommendations submitted are based on the available subsurface information obtained by Rubino Engineering, Inc. and design details furnished by the Village of Libertyville for the proposed project. If there are any revisions to the plans for this project or if deviations from the subsurface conditions noted in this report are encountered during construction, Rubino should be notified immediately to determine if changes in the foundation recommendations are required. If Rubino is not retained to perform these functions, we will not be responsible for the impact of those conditions on the project.

The scope of services did not include an environmental assessment to determine the presence or absence of wetlands, or hazardous or toxic materials in the soil, bedrock, surface water, groundwater or air, on, or below or around this site. Any statements in this report and/or on the boring logs regarding odors, colors, and/or unusual or suspicious items or conditions are strictly for informational purposes.

After the plans and specifications are more complete, the geotechnical engineer should be retained and provided the opportunity to review the final design plans and specifications to check that our engineering recommendations have been properly incorporated into the design documents. At this time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of the Village of Libertyville and their consultants for the specific application to the Proposed Ice Rink in Libertyville, Illinois.



APPENDIX A - DRILLING, FIELD, AND LABORATORY TEST PROCEDURES

Dynamic Cone Penetrometer Testing ASTM D6951

"This test method covers the measurement of the penetration rate of the Dynamic Cone Penetrometer with a 17.6-lb hammer through undisturbed soil or compacted materials, or both. The penetration rate may be related to in situ strength such as an estimated in situ CBR (California Bearing Ratio). A soil density may be estimated if the soil type and moisture content are known. The DCP described in this test method is typically used for pavement applications."

Water Level Measurements

Water level observations were attempted during and upon completion of the drilling operation using a 100-foot tape measure. The depths of observed water levels in the boreholes are noted on the boring logs presented in the appendix of this report. In the borings where water is unable to be observed during the field activities, in relatively impervious soils, the accurate determination of the groundwater elevation may not be possible even after several days of observation. Seasonal variations, temperature and recent rainfall conditions may influence the levels of the groundwater table and volumes of water will depend on the permeability of the soils.

Water (Moisture) Content of Soil by Mass (Laboratory)

The water content is an important index property used in expressing the phase relationship of solids, water, and air in a given volume of material and can be used to correlate soil behavior with its index properties. In fine grained cohesive soils, the behavior of a given soil type often depends on its natural water content. The water content of a cohesive soil along with its liquid and plastic limits as determined by Atterberg Limit testing are used to express the soil's relative consistency or liquidity index.

Atterberg Limits (Laboratory)

Atterberg limit testing defines the liquid limit (LL) and plastic limit (PL) states of a given soil. These limits are used to determine the moisture content limits where the soil characteristics changes from behaving more like a fluid on the liquid limit end to where the soil behaves more like individual soil particles on the plastic limit end. The liquid limit is often used to determine if a soil is a low or high plasticity soil.

The plasticity index (PI) is difference between the liquid limit and the plastic limit. The plasticity index is used in conjunction with the liquid limit to determine if the material will behave like a silt or clay. The material can also be classified as an organic material by comparing the liquid limit of the natural material to the liquid limit of the sample after being oven-dried.

APPENDIX B - REPORT LIMITATIONS

Subsurface Conditions:

The subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The boring logs included in the appendix should be reviewed for specific information at individual boring locations. These records include soil descriptions, stratifications, penetration resistances, locations of the samples and laboratory test data as well as water level information. The stratifications shown on the boring logs represent the conditions only at the actual boring locations. Variations may occur, and should be expected between boring locations. The stratifications represent the approximate boundary between subsurface materials and the actual transition between layers may be gradual. The samples, which were not altered by laboratory testing, will be retained for up to 60 days from the date of this report and then will be discarded.

Geotechnical Risk:

The concept of risk is an important aspect of the geotechnical evaluation. The primary reason for this is that the analytical methods used to develop geotechnical recommendations do not comprise an exact science. The analytical tools that geotechnical engineers use are generally empirical and must be used in conjunction with engineering judgment and experience. Therefore, the solutions and recommendations presented in the geotechnical evaluation should not be considered risk-free, and more importantly, are not a guarantee that the interaction between the soils and the proposed structure will perform as planned. The engineering recommendations, presented in the preceding section, constitute Rubino's professional estimate of the necessary measures for the proposed structure to perform according to the proposed design based on the information generated and reference during this evaluation, and Rubino's experience in working with these conditions.

Warranty:

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

Federal Excavation Regulations:

In Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, part 1926, Subpart P". This document was issued to better insure the safety of workmen entering trenches or excavations. This federal regulation mandates that all excavations, whether they be utility trenches, basement excavation or footing excavations, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced and if they are not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person," as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations. Rubino is providing this information solely as a service to our client. Rubino is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred.

APPENDIX C - SOIL CLASSIFICATION GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS: Split Spoon - 1 3/8" I.D., 2" O.D., unless otherwise noted
 ST: Thin-Walled Tube - 3" O.D., Unless otherwise noted
 PM: Pressuremeter
 RB: Rock Bit
 DB: Diamond Bit - 4", N, B

PS: Piston Sample
 WS: Wash Sample
 HA: Hand Auger
 HS: Hollow Stem Auger
 BS: Bulk Sample

Standard "N" Penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split spoon sampler (SS), except where noted.

WATER LEVEL MEASUREMENT SYMBOLS:

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of ground water levels is not possible with only short term observations.

DESCRIPTIVE SOIL CLASSIFICATION:

Soil Classification is based on the Unified Soil Classification System as defined in ASTM D-2487 and D-2488. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; they are described as: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are described as: clays, if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse grained soils are defined on the basis of their relative in-place density and fine grained soils on the basis of their consistency. Example: Lean clay with sand, trace gravel, stiff (CL); silty sand, trace gravel, medium dense (SM).

CONSISTENCY OF FINE-GRAINED SOILS:

Unconfined Compressive Strength, Qu (tsf)	N-Blows/ft.	Consistency
< 0.25	< 2	Very Soft
0.25 - 0.5	2 - 4	Soft
0.5 - 1	4 - 8	Medium Stiff
1 - 2	8 - 15	Stiff
2 - 4	15 - 30	Very Stiff
4 - 8	30 +	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

N-Blows/ft.	Relative Density
0 - 4	Very Loose
4 - 10	Loose
10 - 30	Medium Dense
30 - 50	Dense
50 +	Very Dense

RELATIVE PROPORTIONS OF SAND & GRAVEL

Descriptive Term	% of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

Major Component	Size Range
Boulders	Over 12 in. (300mm)
Cobbles	12 in. To 3 in. (300mm to 75mm)
Gravel	3 in. To #4 sieve (75mm to 4.75mm)
Sand	#4 to #200 sieve (4.75mm to 0.75mm)

RELATIVE PROPORTIONS OF FINES

Descriptive Term	% of Dry Weight
Trace	< 5
With	5 - 12
Modifier	> 12

*Descriptive Terms apply to components also present in sample

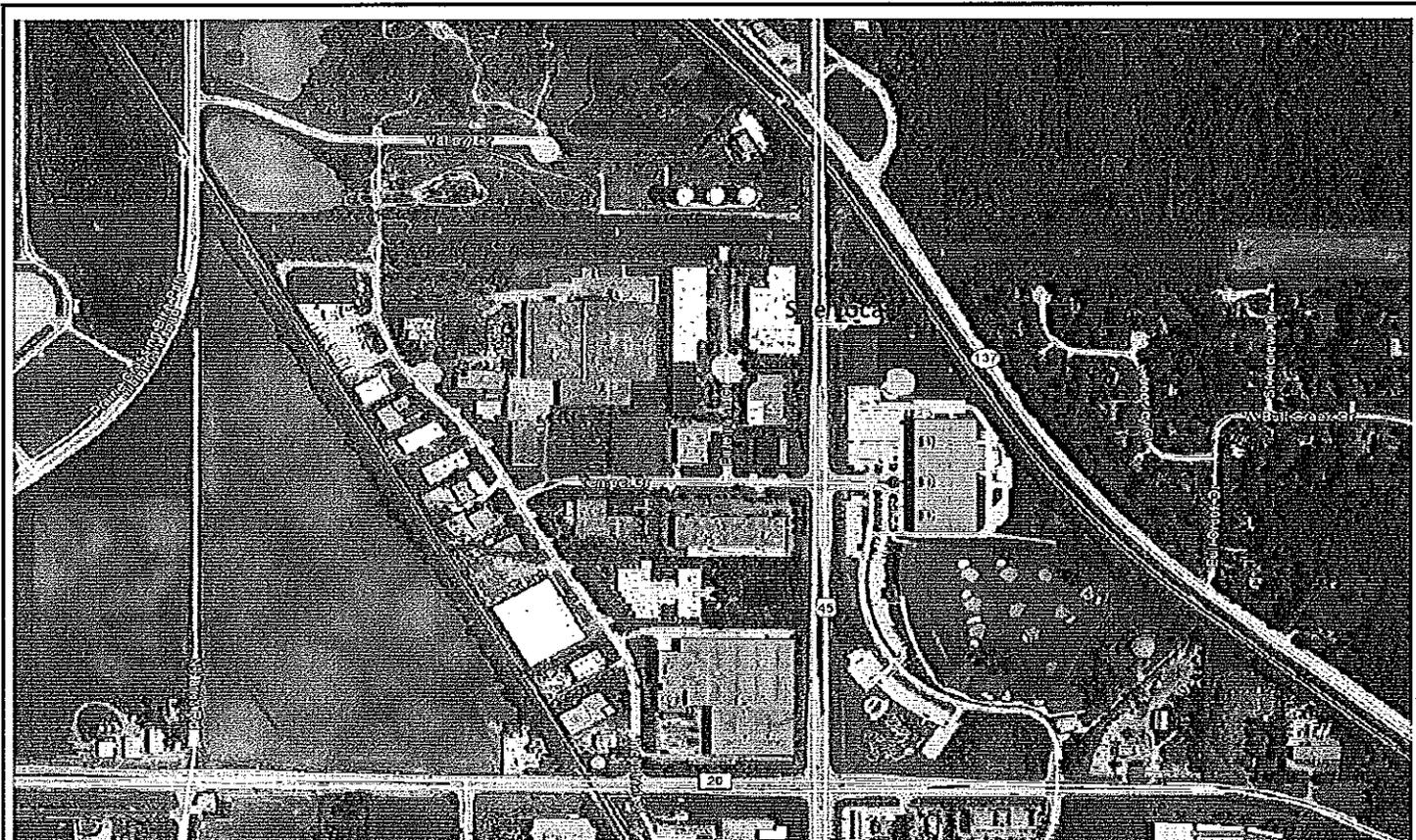
APPENDIX D - SOIL CLASSIFICATION GENERAL NOTES

SOIL CLASSIFICATION CHART

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		CLEAN SANDS (LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

APPENDIX E – *SITE VICINITY MAP & BORING LOCATION PLAN*



rubino
ENGINEERING INC.

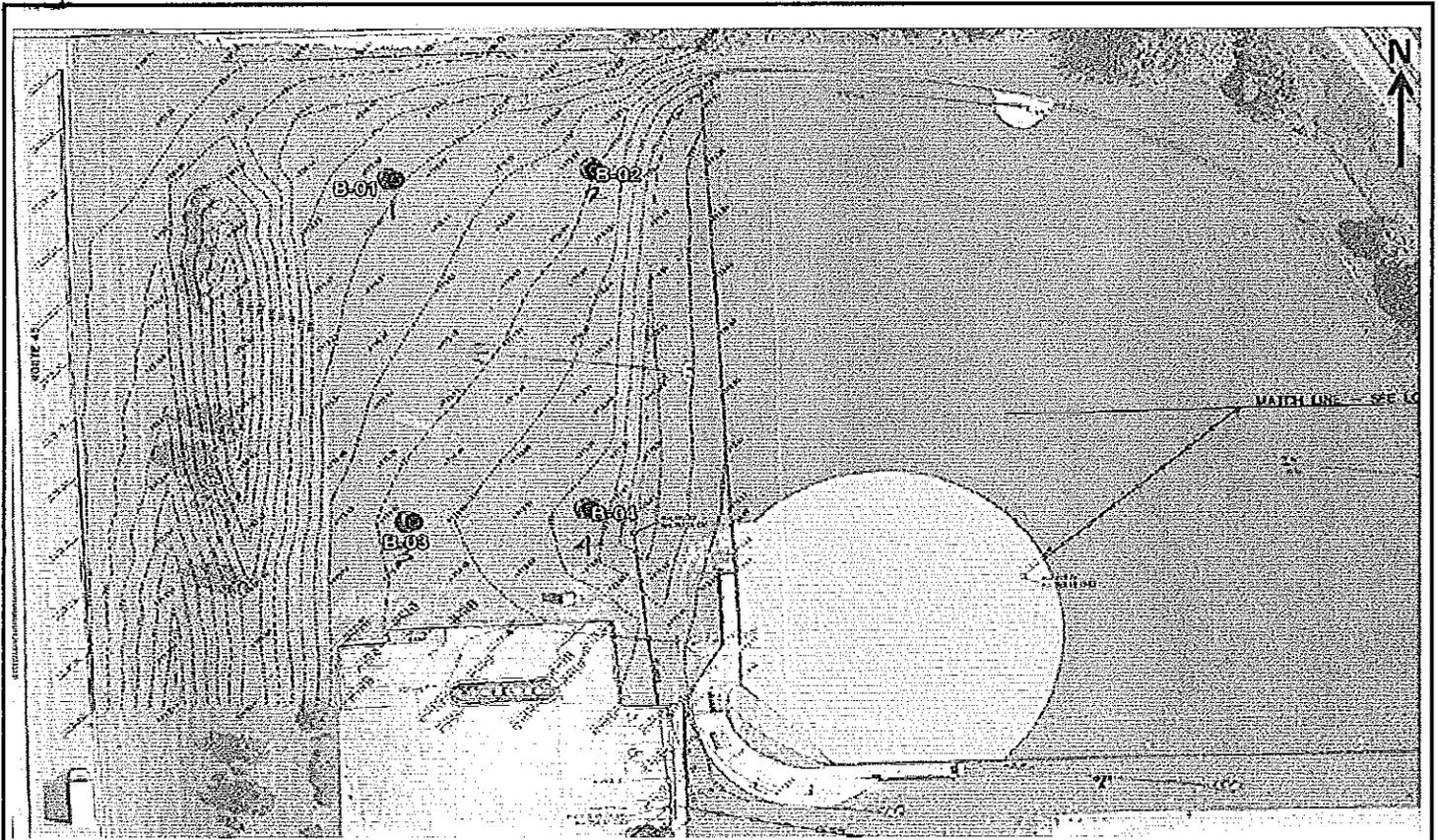
665 Tollgate Rd. Unit H
Elgin, Illinois 60123

Project Name:
Project Location:

Client:
Rubino Project # :

Proposed Ice Rink
1950 N. Highway 45
Libertyville, Illinois
Village of Libertyville
G16.112

**Site
Vicinity
Map**



rubino
ENGINEERING INC.

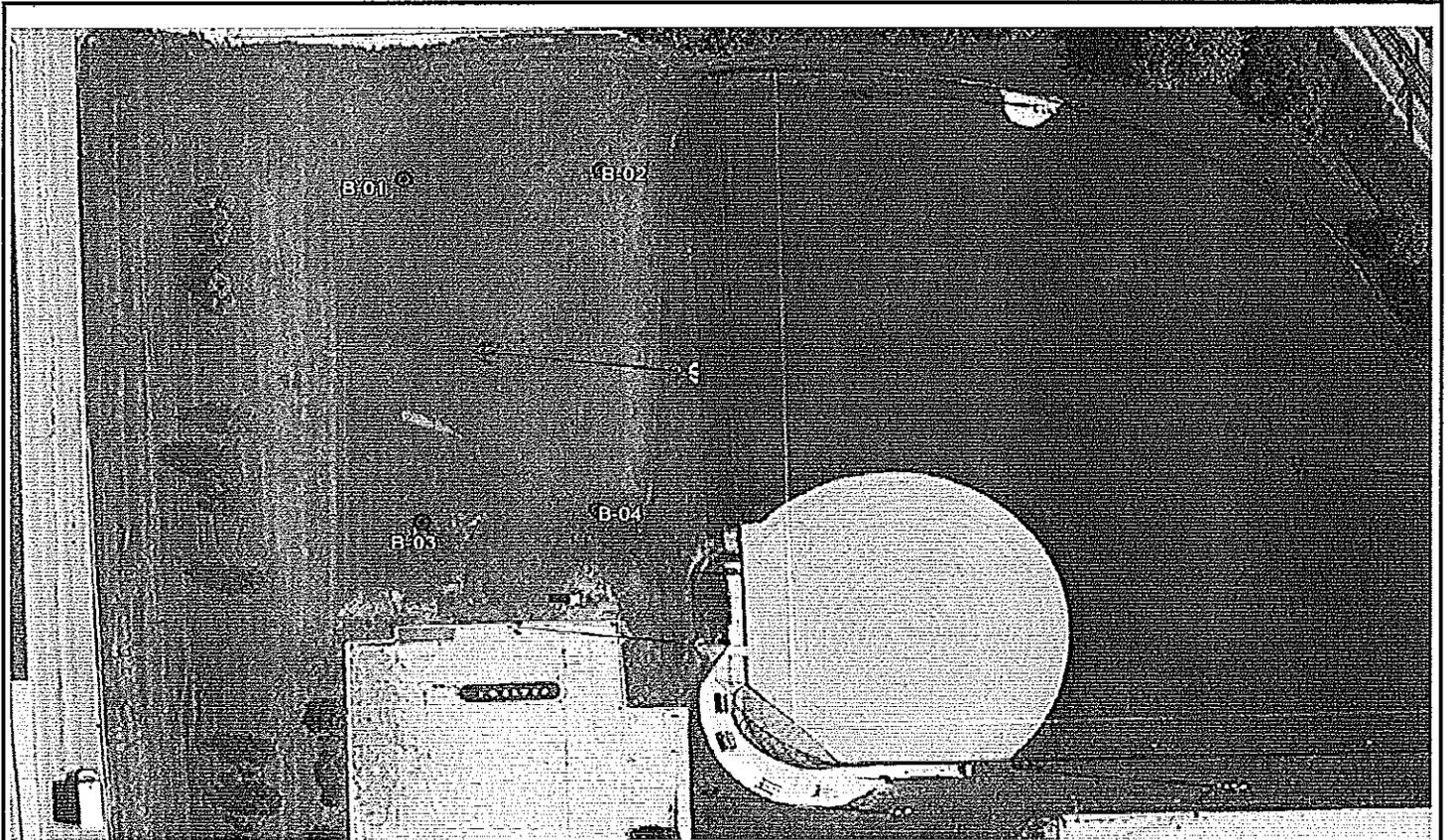
665 Tollgate Rd. Unit H
Elgin, Illinois 60123

Project Name:
Project Location:

Client:
Rubino Project # :

Proposed Ice Rink
1950 N. Highway 45
Libertyville, Illinois
Village of Libertyville
G16.112

Boring
Location
Plan
(1 of 2)



rubino
ENGINEERING INC.

665 Tollgate Rd. Unit H
Elgin, Illinois 60123

Project Name:
Project Location:

Client:
Rubino Project # :

Proposed Ice Rink
1950 N. Highway 45
Libertyville, Illinois
Village of Libertyville
G16.112

Boring
Location
Plan
(2 of 2)

APPENDIX F – *BORING LOGS*

Rubino Job No.: G16.112
Project: Proposed Ice Rink
Location: Libertyville Sports Complex
City, State: Libertyville, Illinois
Client: Village of Libertyville

Drilling Method: Humboldt DCP + Hand Auger
Sampling Method: Grab Sample
Hammer Type: Humboldt DCP
Boring Location: 1950 N. Highway 45
Libertyville, Illinois

WATER LEVELS	
▽ While Drilling	N/A
▽ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	DCP Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA		Additional Remarks
										Moisture	PL	
0						Station: N/A Offset: N/A						
				1	12	Approximately 6 inches of TOPSOIL: black and brown silty clay, trace sand and gravel		5,9				
				2	12	Brown silty CLAY, trace sand and gravel		14,12				
				3	12		CL	11,11	20			LL = 38 PL = 20
				4	12			9,8				
				5	12			8,6				
5						End of boring at 5 feet. No free groundwater observed during hand auger operation.						

Completion Depth: 5.0 ft
Date Boring Started: 8/24/16
Date Boring Completed: 8/24/16
Logged By: T.R.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

- Auger Cutting
- Split-Spoon
- Rock Core
- Shelby Tube
- Hand Auger
- Texas Cone

Latitude: 42.311775°
Longitude: -88.003853°
Drill Rig: Milwaukee Dymodril Coring Machine
Remarks: Proposed Ice Rink

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G16.112	Drilling Method: Humboldt DCP + Hand Auger	WATER LEVELS
Project: Proposed Ice Rink	Sampling Method: Grab Sample	▽ While Drilling N/A
Location: Libertyville Sports Complex	Hammer Type: Humboldt DCP	▼ Upon Completion N/A
City, State: Libertyville, Illinois	Boring Location: 1950 N. Highway 45	▽ Delay N/A
Client: Village of Libertyville		

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	DCP Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA		Additional Remarks
										Moisture	PL	
0	0					Station: N/A Offset: N/A						
				1	12	Approximately 6 inches of TOPSOIL: black and brown silty clay, trace sand and gravel		7,11				
						Brown silty CLAY, trace sand and gravel						
				2	12			19,10				
				3	12		CL	25,25	21			LL = 38 PL = 21
				4	12			25,25				
				5	12			25,25				
5	5					End of boring at 5 feet. No free groundwater observed during hand auger operation.						

Completion Depth: 5.0 ft	Sample Types:	Latitude: 42.311784°
Date Boring Started: 8/24/16	Auger Cutting	Longitude: -88.003577°
Date Boring Completed: 8/24/16	Split-Spoon	Drill Rig: Milwaukee Dymodrig Coring Machine
Logged By: T.R.	Rock Core	Remarks: Proposed Ice Rink
Drilling Contractor: Rubino Engineering, Inc.	Shelby Tube	
	Hand Auger	
	Texas Cone	

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.:	G16.112	Drilling Method:	Humboldt DCP + Hand Auger	WATER LEVELS	
Project:	Proposed Ice Rink	Sampling Method:	Grab Sample	∇ While Drilling	N/A
Location:	Libertyville Sports Complex	Hammer Type:	Humboldt DCP	∇ Upon Completion	N/A
City, State:	Libertyville, Illinois	Boring Location:	1950 N. Highway 45	∇ Delay	N/A
Client:	Village of Libertyville		Libertyville, Illinois		

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	DCP Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks
									Moisture, %	STRENGTH, tsf	
	0					Station: N/A Offset: N/A			Moisture, %	STRENGTH, tsf	
						Approximately 6 inches of TOPSOIL: black and brown silty clay, trace sand and gravel			0	0	
				1	12	Brown silty CLAY, trace sand and gravel		17,19	25	2.0	
				2	12			14,16			
				3	12		CL	16,18	21	2.0	LL = 38 PL = 21
				4	12			13,12			
				5	12			12,14			
	5					End of boring at 5 feet. No free groundwater observed during hand auger operation.					

Completion Depth:	5.0 ft	Sample Types:	Latitude: 42.311381°
Date Boring Started:	8/24/16	Auger Cutting	Longitude: -88.003837°
Date Boring Completed:	8/24/16	Split-Spoon	Drill Rig: Milwaukee Dymodrig Coring Machine
Logged By:	T.R.	Rock Core	Remarks: Proposed Ice Rink
Drilling Contractor:	Rubino Engineering, Inc.	Shelby Tube	
		Hand Auger	
		Texas Cone	

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G16.112
 Project: Proposed Ice Rink
 Location: Libertyville Sports Complex
 City, State: Libertyville, Illinois
 Client: Village of Libertyville

Drilling Method: Humboldt DCP + Hand Auger
 Sampling Method: Grab Sample
 Hammer Type: Humboldt DCP
 Boring Location: 1950 N. Highway 45
 Libertyville, Illinois

WATER LEVELS	
∇ White Drilling	N/A
∇ Upon Completion	N/A
∇ Delay	N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	DCP Blows per 6-inch	STANDARD PENETRATION TEST DATA				Additional Remarks	
									Moisture, %		STRENGTH, tsf			
0						Station: N/A Offset: N/A								
						Approximately 6 inches of TOPSOIL: black and brown silty clay, trace sand and gravel								
				1	12	Brown silty CLAY, trace sand and gravel		10,14						
				2	12			11,15						
				3	12		CL	12,15	17	29	17		LL = 29 PL = 17	
				4	12			25,25						
				5	12			25,25						
5						End of boring at 5 feet. No free groundwater observed during hand auger operation.								

Completion Depth: 5.0 ft
 Date Boring Started: 8/24/16
 Date Boring Completed: 8/24/16
 Logged By: T.R.
 Drilling Contractor: Rubino Engineering, Inc.

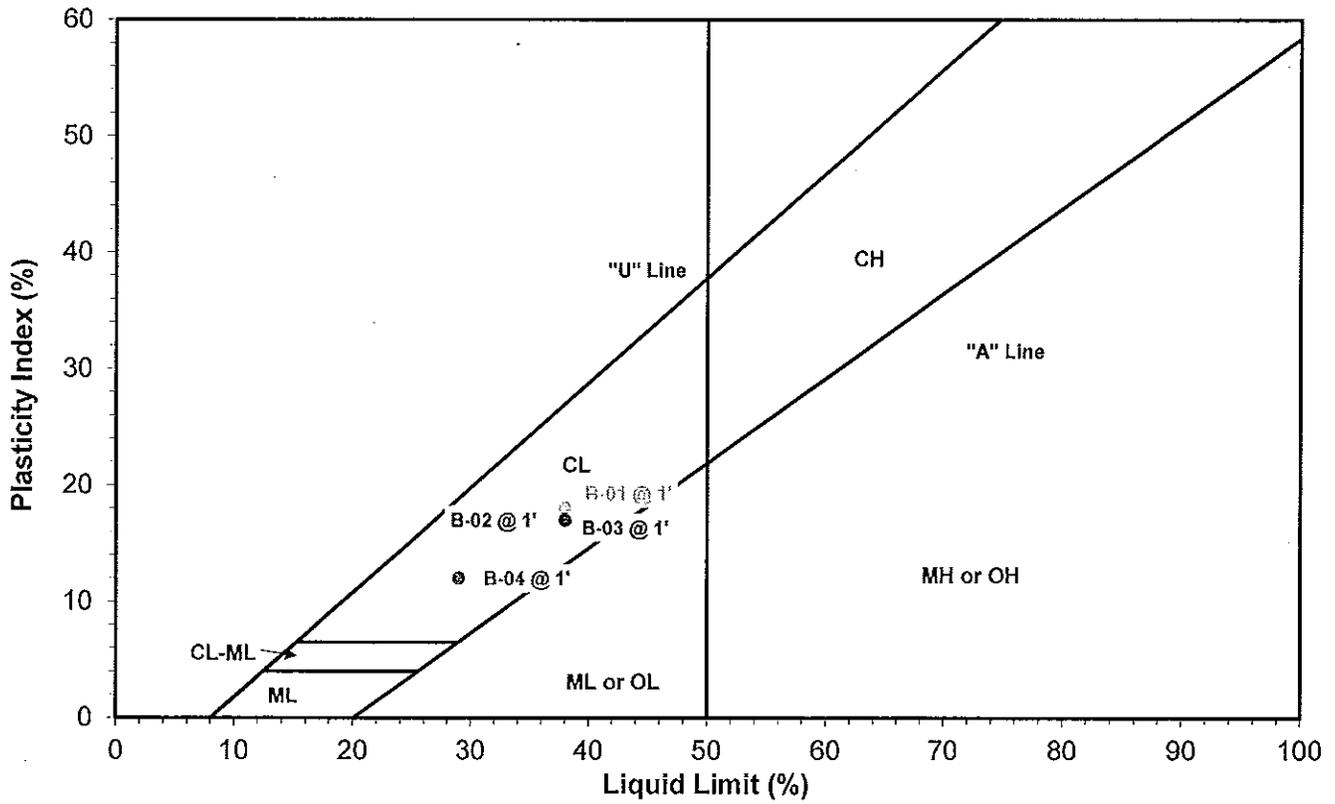
Sample Types:

-  Auger Cutting
-  Shelby Tube
-  Split-Spoon
-  Hand Auger
-  Rock Core
-  Texas Cone

Latitude: 42.311393°
 Longitude: -88.003590°
 Drill Rig: Milwaukee Dymodrill Coring Machine
 Remarks: Proposed Ice Rink

The stratification lines represent approximate boundaries. The transition may be gradual.

APPENDIX G – LABORATORY RESULTS



Boring #	B-01 @ 1'	B-02 @ 1'	B-03 @ 1'	B-04 @ 1'
LL	38	38	38	29
PL	20	21	21	17
PI	18	17	17	12

Project: Proposed Ice Rink
Location: Libertyville, Illinois
Client: Village of Libertyville
Project #: G16.112

Memorandum

To: Members of the Parks and Recreation Committee

From: Connie Kowal, Director of Recreation and Sports Complex

Date: August 31, 2016

Subject: Libertyville Senior Center Update

The interview process for the part-time position for the Senior Center was conducted at the end of August. Julie Ludwig, Manager of Recreation who oversees the Senior Center, along with Carol Lopez the part-time manager of the daily operations of the Senior Center conducted the interviews. A candidate was selected and has accepted the position subject to pre-employment requirements. Julie Ludwig will brief the Committee as to this new employee and the start date for this position sometime the week of September 6.

Memorandum

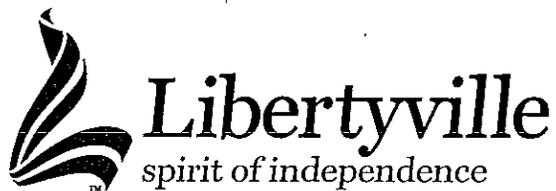
To: Members of the Parks and Recreation Committee

From: Kevin Bowens, Village Administrator

Date: August 31, 2016

Subject: Cook Park Buy-a-Brick Program Update

On August 29, 2016 the Village announced the return of the Buy a Brick Program for Cook Park. The brochure, press release, and other information is attached.



PRESS RELEASE

For further information contact
Kevin J. Bowens, Village Administrator
847-362-2430

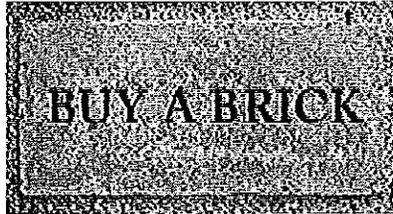
August 29, 2016

LIBERTYVILLE BUY A BRICK PROGRAM

The Village of Libertyville has announced the return of the Buy a Brick Program for Cook Park. In 1999 the Village undertook a major renovation of Cook Park, which included the installation of brick pavers along various sections of sidewalk within the park. At that time the Village offered a "Buy a Brick" program for residents and businesses to purchase a 4" x 8" brick and have it engraved and installed in the Park. Based on numerous requests from residents and businesses, the Village is again offering a Buy a Brick Program for Cook Park. Residents and businesses can purchase one or more personally engraved 4" x 8" bricks, which can be used to celebrate someone or something important in your life, identify you or your family as a donor/supporter of the park, or as a memorial or remembrance of a loved one. The 4" x 8" bricks are available for \$100 each, and for an additional \$75 you can order a replica keepsake brick. Order forms are available at the Village Hall and online at www.Libertyville.com, and orders and payment must be submitted no later than October 7, 2016. There are approximately 1000 bricks available for the program. Please contact the Village at 847-362-2430.

Connie Kowal

From: vol@libertyville.com <listserv@civicplus.com>
Sent: Tuesday, August 30, 2016 10:04 AM
To: Connie Kowal
Subject: Buy a Brick Program



LIBERTYVILLE BUY A BRICK PROGRAM

The Village of Libertyville has announced the return of the Buy a Brick Program for Cook Park. In 1999 the Village undertook a major renovation of Cook Park, which included the installation of brick pavers along various sections of sidewalk within the park.

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Please contact the Village at 847-362-2430.

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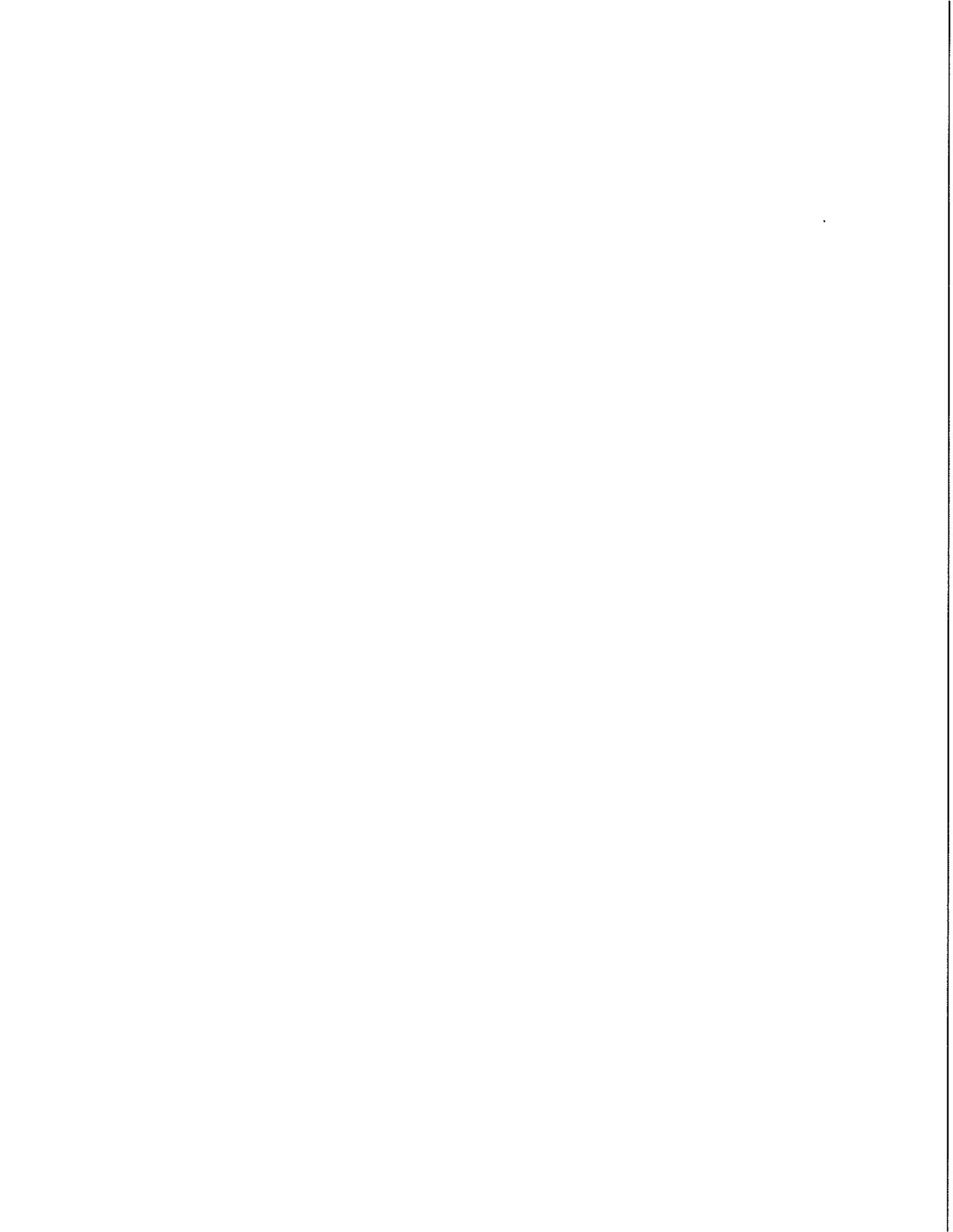
Share via Email

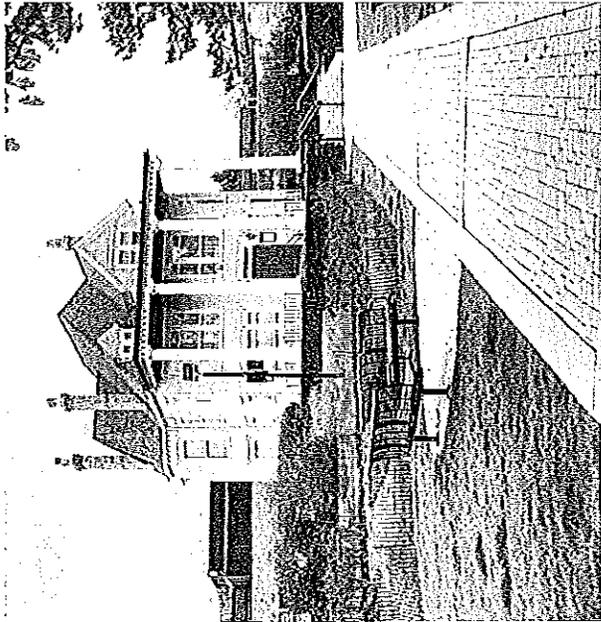
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118 W. Cook Avenue, Libertyville, IL 60048

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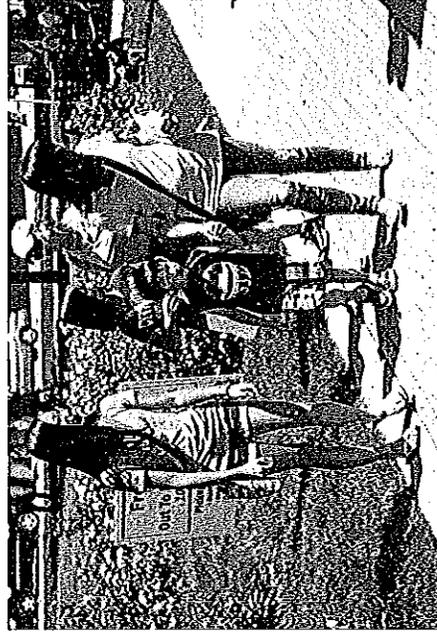
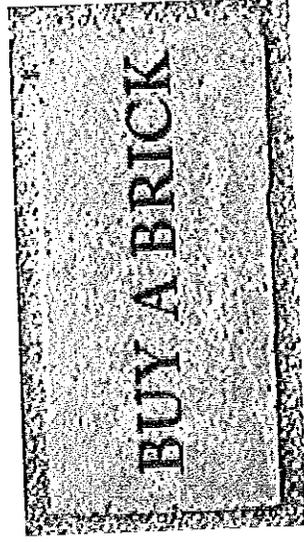
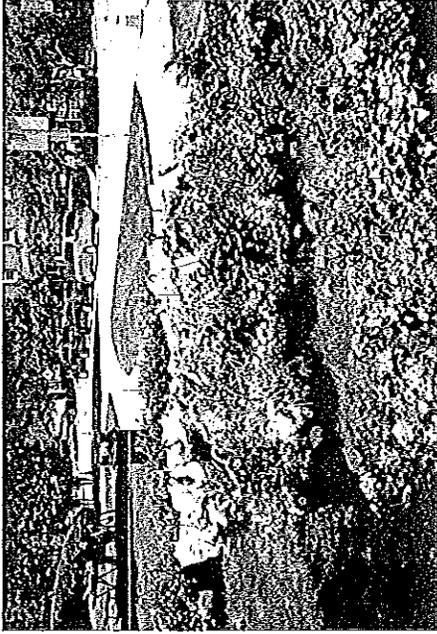
You can take part in the program by purchasing one or more personally engraved 4" x 8" bricks, which can be used to celebrate someone or something important in your life, identify you or your family as a donor/supporter of the park, or as a memorial or remembrance of a loved one.

The 4" x 8" bricks are available for \$100. For an additional \$75 you will get an exact replica keepsake brick. Please complete the order form and return to the Village along with your payment no later than **October 7, 2016**. There are approximately 1,000 bricks available. Please contact the Village at 847-918-2430 if you have any questions.

Make checks payable and return to:

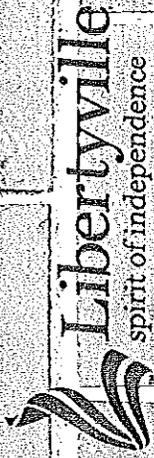
Village of Libertyville
118 West Cook
Libertyville, IL 60048

Please use additional forms for more bricks.



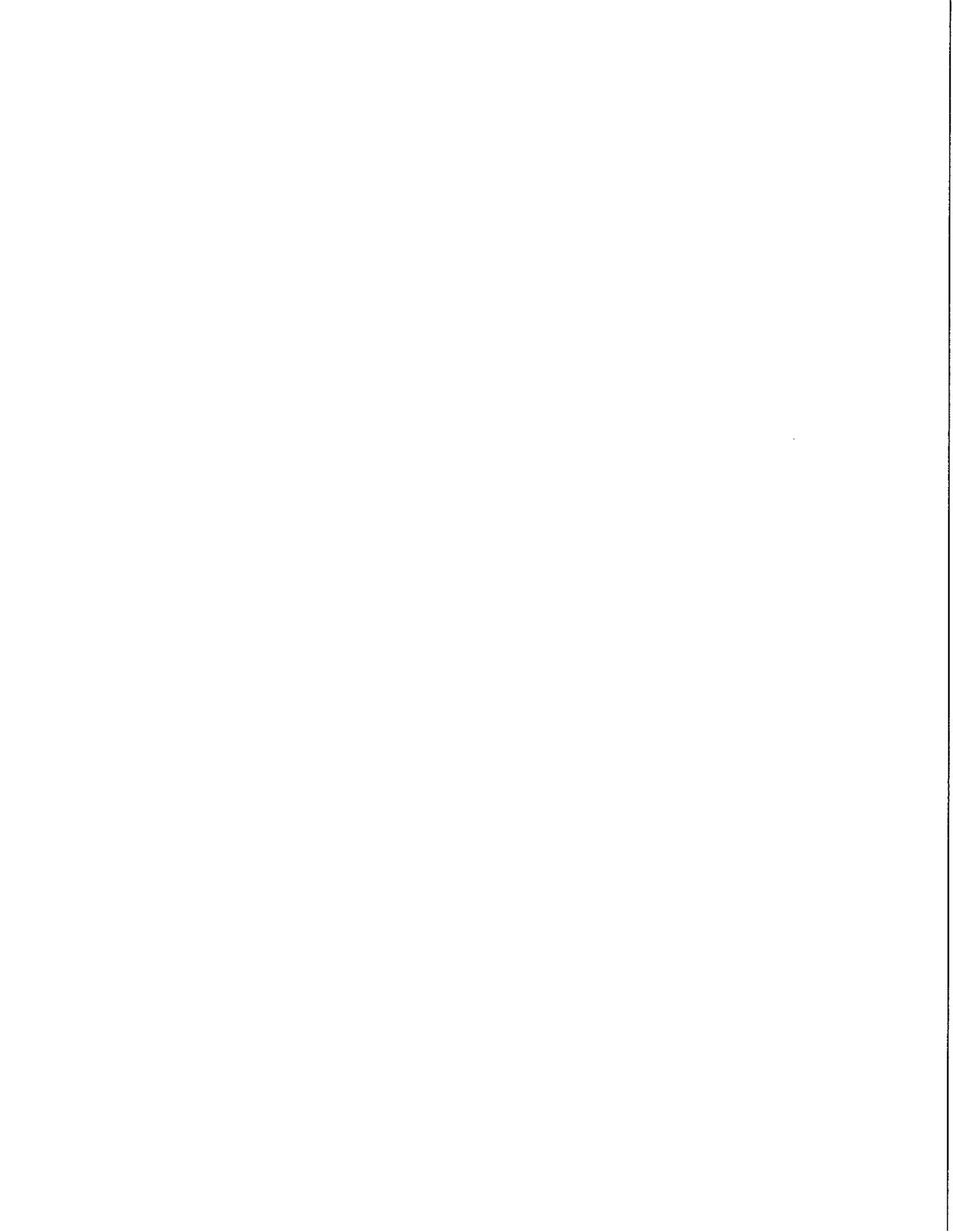
Village of Libertyville
118 West Cook
Libertyville, IL 60048
(847) 362-2430

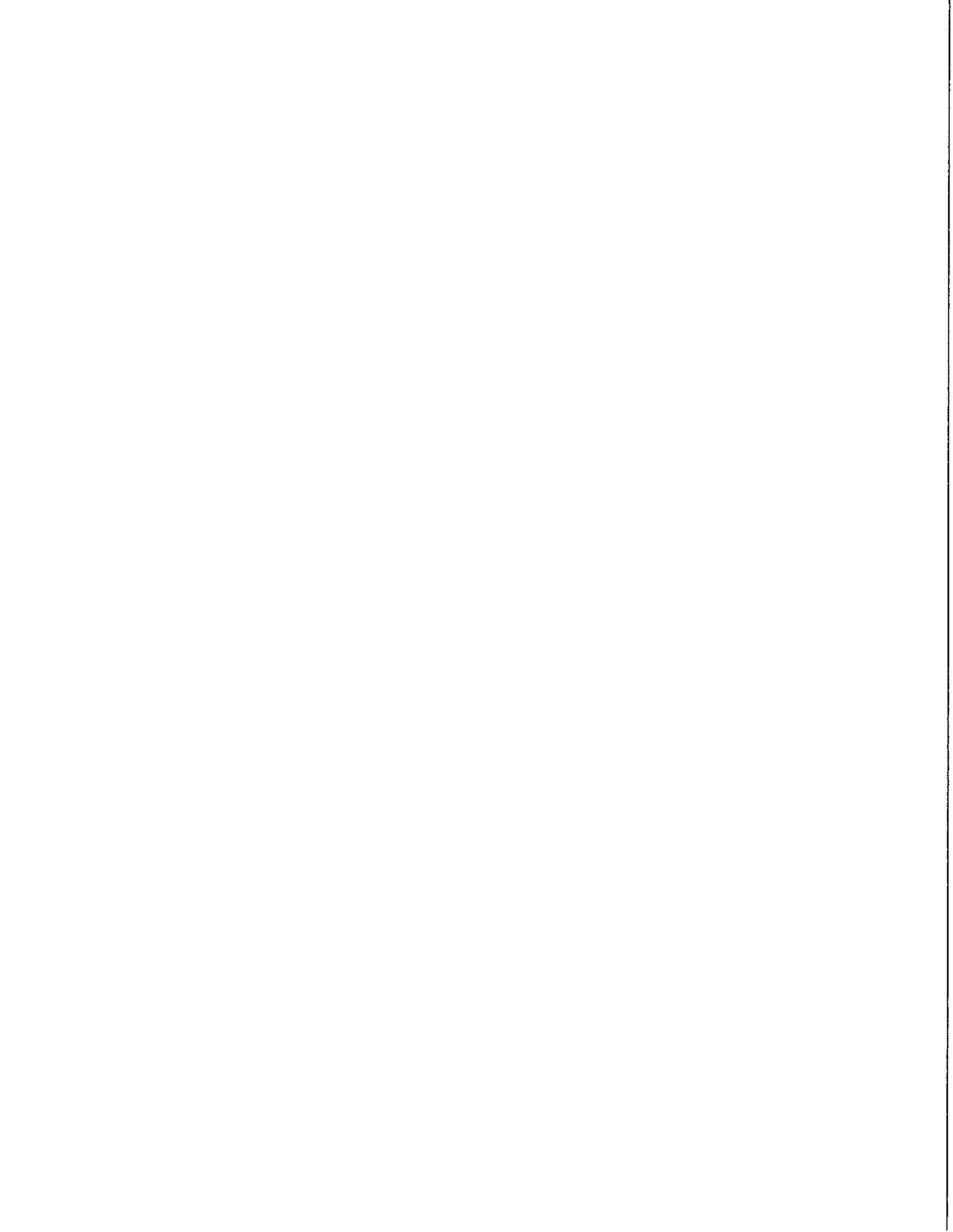
WWW.VISITLIBERTYVILLE.COM



**BE A
PART OF
THE
BUY A
BRICK IN
COOK PARK
Today!**

WWW.VISITLIBERTYVILLE.COM





Memorandum

To: Members of the Parks and Recreation Committee

From: Connie Kowal, Director of Recreation and Sports Complex

Date: August 31, 2016

Subject: Eagle Scout Butler Lake Park Sign Project

Attached is a recent article pertaining to the Libertyville Boy Scout, Nick Berklan and his Eagle Scout Butler Lake Signage project.

Funding Summary

Describe how you obtained money, materials, supplies, and other needs (including donations) for your project. The lumber was donated by a local builder, Nick Lazzaretto. The limestone screenings were donated by Fiore Landscaping via a troop dad. Finally, all other supplies were donated by Home Depot. Other miscellaneous funds were donated by friends and family.

How much was collected? \$492.00

How much was spent? \$492.00

If your expenses exceeded funds available, explain why this happened, and how excess expenses were paid.
N/A

If you had money left over at the end of your project, did you turn it over to the project beneficiary? If "No," when will that be done, or if your beneficiary is not allowed to accept the left over funds, which charity will receive them?
N/A

How were the donors thanked?

They each received either a handwritten or email thank you letter with pictures of the final product attached.

Photos and Other Documentation

If you have them, attach photographs taken before, during, and after project completion. You may physically attach letters, maps, handouts, printed materials, or similar items that might be helpful to your board of review.



This is a picture of me with one of my final signs after all work was completed.



This is a picture of me and my second day work crew finishing up my signs by attaching the roof.

Candidate's Promise Sign below before you seek the other approvals.

On my honor as a Scout, I was the leader of my Eagle Scout service project and executed it as reported here.

Signed: *Matthew Barlow*

Date: 8/27/16

Approvals

In my opinion, this Eagle Scout service project meets Eagle Scout requirement 5, as stated on page 4 of this workbook.

Beneficiary name:

Unit leader name:

Signed: *J. Barlow*

Date: 8-30-16

Signed:

Date:

*Jim Barlow
Supt. of Parks, Forestry & Grounds
Village of Libertyville*

Trailing ahead

Scouts, volunteers post marker signs at Butler Lake Park

BY FRANK
ABDERHOLDEN
News-Sun

Members of Libertyville Boy Scout Troop 72 helped post new trail marker signs at Butler Lake Park in Libertyville over the weekend.

A sign near the Crawford Warming House had barely been erected when 63-year-old Michele Cadwell passed with her grandchildren, Peter, 4, Harper, 2, and cocker spaniel Gordy.

"I walk this way all the time. It's a good idea," said Cadwell, who lives down the street.

"You guys have done a beautiful job. That is really cool," she told the troop.

Nick Berklan, a 16-year-

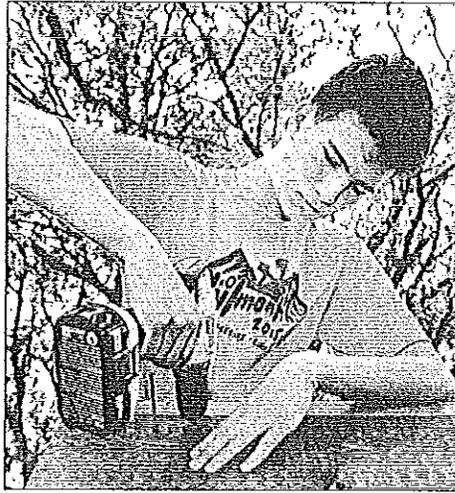
old junior at Libertyville High School, came up with the idea for his Eagle Scout project.

Chuck Zemeske, a carpenter and father of one boy in the troop, helped Berklan and his fellow Scout volunteers build and stain the cedar signs Aug. 12. The next day the group dug holes and used limestone to secure the signs in place.

While working as part of the grounds crew at nearby athletic fields, Berklan suspected not everyone knew the scenic way around the lake, so he proposed the sign project last year.

"I had to go before the village board a couple of times," he said. "They liked the idea. Then things went back and forth between the village."

Berklan said he worked closely with the parks department.



BRIAN O'MAHONEY/NEWS-SUN

Nick Berklan, 16, of Libertyville, works on his Eagle Scout project, installing trail signs at Butler Lake Park on Aug. 14.

The signs also feature the various fish found in the lake. Berklan asked a member of Troop 71 to do the

graphics.

He said the idea for the fish came from his love of fishing, and he often ice

fishes on Butler Lake.

"Sometimes people don't know about the size of the fish out there. We haven't caught anything large yet, but we've seen pictures of people pulling out 4-pound bass and a decent sized northern pike," Berklan said.

Part of the crew that helped him this weekend included his father, Jim, and older brother Matt, 20. Other helpers included 14-year-old Eagle Scout James Davies, his father, David, troop member Christian Voelker, 15, and Greg Lawless, a father of a troop member.

"The Eagle Scout is the pinnacle of scouting," said troop leader David Davies. "To get (to be an Eagle Scout) you have to get 21 merit badges that require a number of hours of service and numerous leadership positions. ... The journey to Eagle Scout provides these young men an opportunity to learn how to be produc-

tive members of the community."

David Davies noted the point of Eagle Scouts is to learn about project management with little help from adults.

"After this, (Berklan) will have a board review by three or four members who he doesn't know, and he will be interviewed about the project for about an hour," David Davies said.

Berklan already has 26 merit badges, including ones in fingerprinting, fly fishing and wilderness survival.

"Now I have my own fly rod. I've had people come up to me and say you don't see that every day," Berklan said.

He said he has found the most recent project rewarding.

"People will now get a full view of the lake path," Berklan said.

fabderholden@tribpub.com
Twitter @abderholden

Memorandum

To: Members of the Parks and Recreation Committee

From: Connie Kowal, Director of Recreation and Sports Complex

Date: August 31, 2016

Subject: SWALCO Re-use-a-Shoe Program

Last October, the Libertyville Sports Complex (LSC) began participation in the SWALCO Re-use-a-Shoe recycling program where the LSC would be a drop off site for people to dispose of used gym shoes and other rubber type shoes. SWALCO boxes are located inside the main entrance of the LSC, as well as inside the front entrance of the Fitness Center and the Golf Driving Range. This program has been very successful as over 600 pairs of shoes have been deposited at the LSC and contributed to the SWALCO efforts. Attached are certificates of appreciation that SWALCO has given to the Village of Libertyville for our efforts.

CERTIFICATE OF APPRECIATION

Awarded to

Libertyville
Sports Complex

For making a difference in our
communities that reaches beyond!
Thank you for partnering with us
and participating in

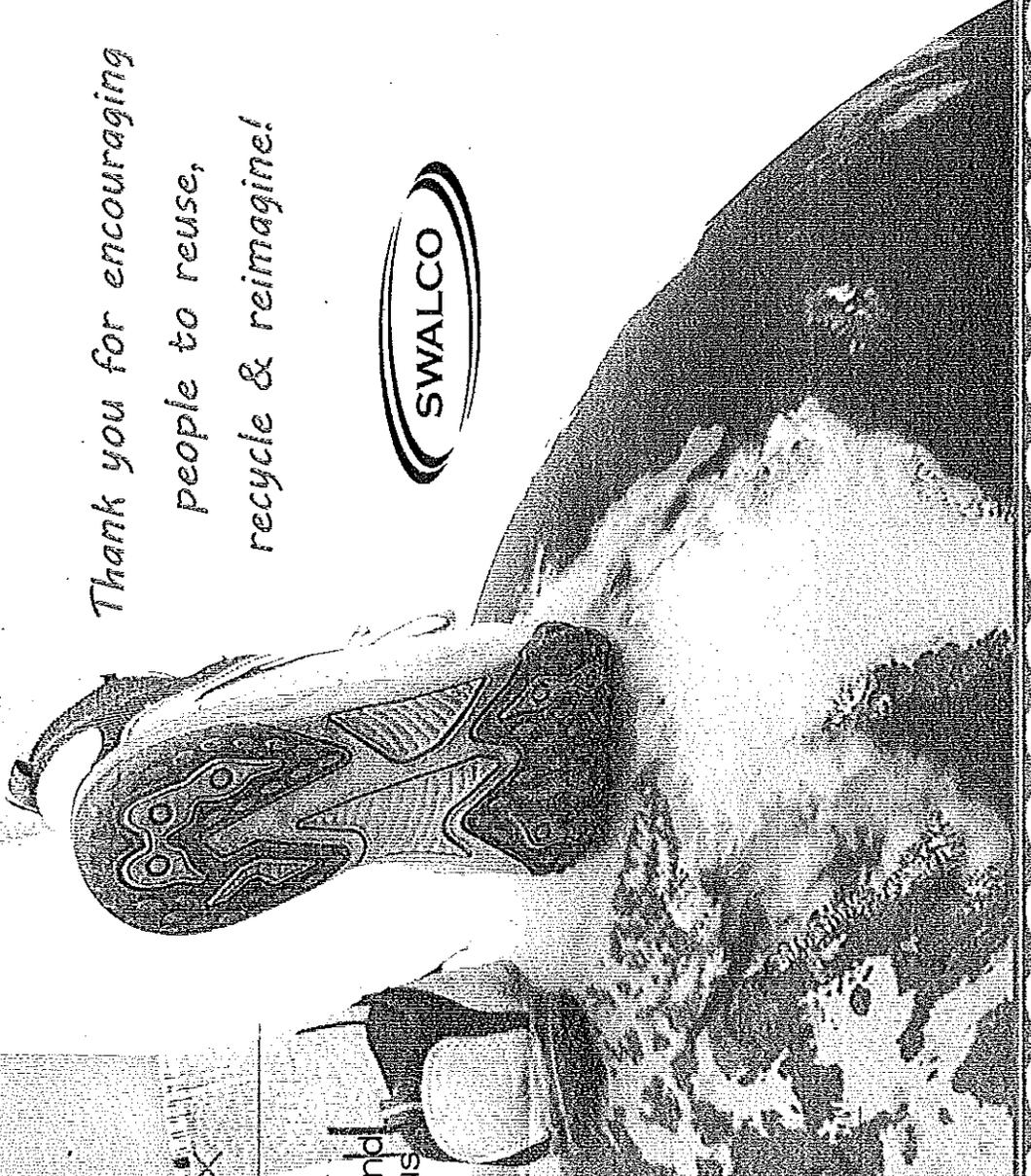
The 2015-2016
Reuse-A-Shoe

Merleanne Hett Ransale

Merleanne Ransale, SWALCO
June 2016

*Thank you for encouraging
people to reuse,
recycle & reimagine!*

SWALCO



CERTIFICATE OF APPRECIATION

Awarded to

Village of Libertyville

For making a difference in our communities that reaches beyond!
Thank you for partnering with us and participating in

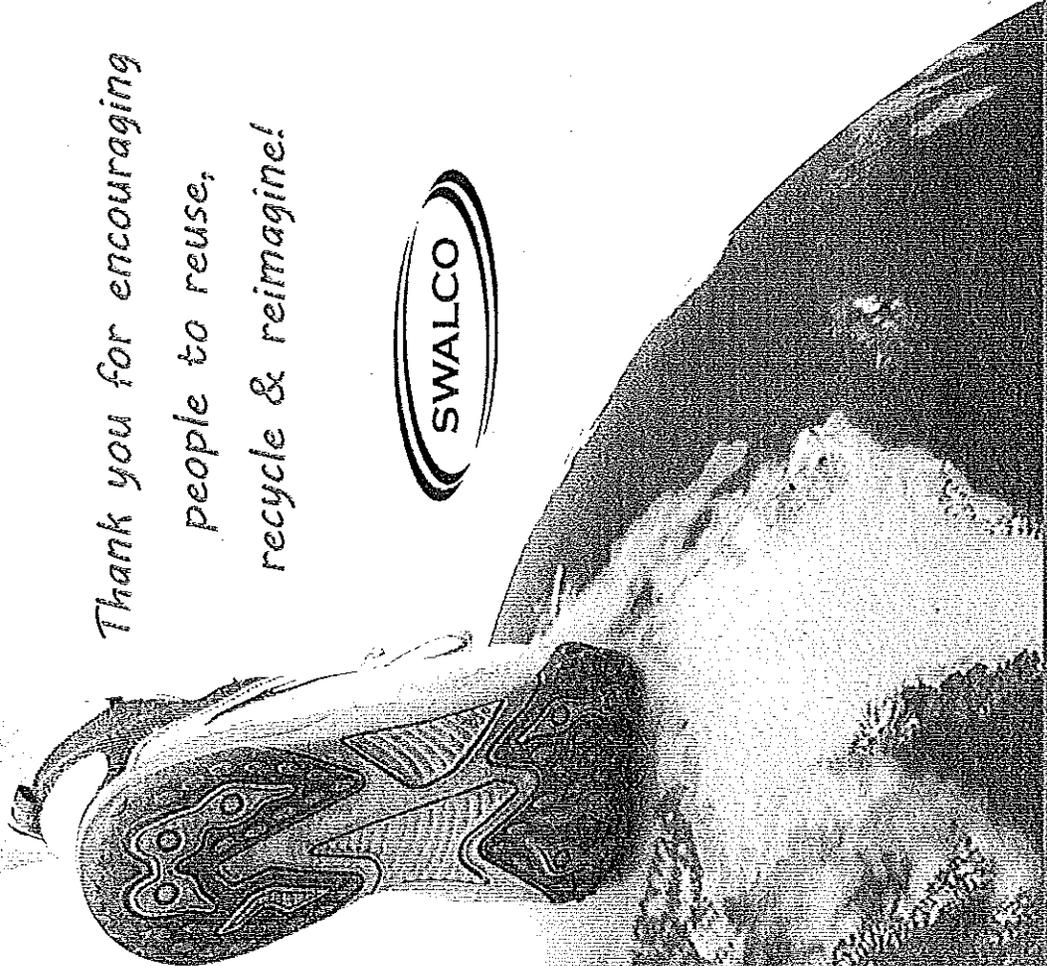
The 2015-2016
Reuse-A-Shoe

Merleanne Hett Rampole

Merleanne Rampole, SWALCO
June 2016

*Thank you for encouraging
people to reuse,
recycle & reimagine!*

SWALCO



Memorandum

To: Members of the Parks and Recreation Committee

From: Connie Kowal, Director of Recreation and Sports Complex

Date: August 31, 2016

Subject: Founders 55 Presentation-Charters of Freedom Project

Bill Kaiser and Roch Tranel of the Founders 55 organization have submitted information for a project they look to pursue, the Charters of Freedom, and their request for the this project to be developed at Sunrise Rotary Park. Their information and proposal is attached. They will be in attendance at the September meeting to review with the Committee.

Founders 55

Libertyville Parks and Recreation Meeting – September 6th, 2016

Proposal

Founders 55 founded by Roch Tranel (CEO/Founder of The Tranel Financial Group) and Jay Cash (Owner of Signarama), is a group of Libertyville business owners, whose goal is to have a “One Billion Person” impact on the world. We intend to gift the “Charters of Freedom Monument” to the Village of Libertyville, to be placed in Rotary Park. The Charters of Freedom are our country’s founding documents: The Declaration of Independence, The United States Constitution, and The Bill of Rights. This is a “Community Driven” education project with donations from private, corporate and non-profit organizations. Funds will be deposited in an, open for the public to view, savings account, with no administration or management fees.

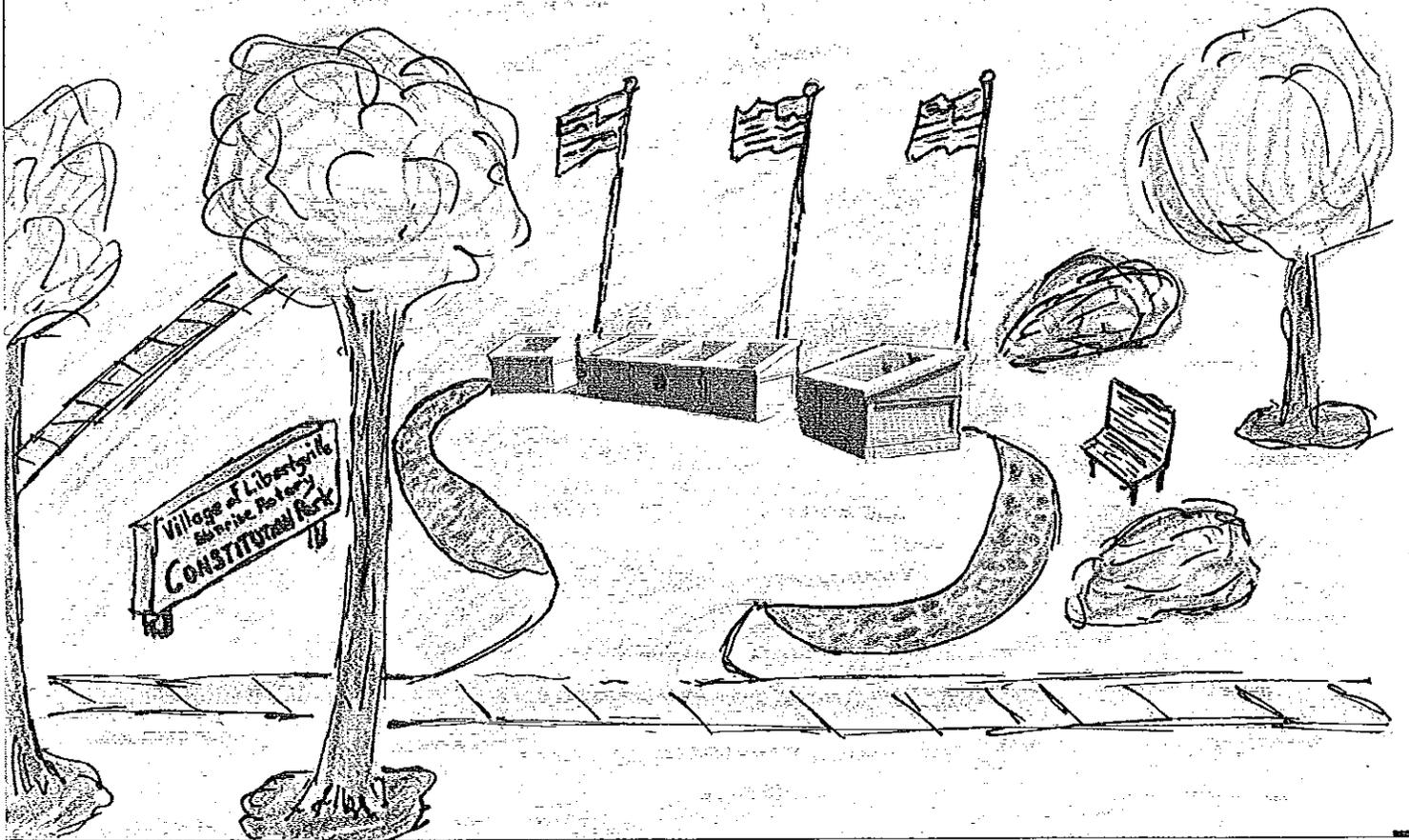
Advantages to the Village:

- NO TAXPAYER DOLLARS USED
- 10 YEAR PARK MAINTANANCE AGREEMENT
- BETTER USE OF PARK/WILL ATTRACT VISITORS TO LIBERTYVILLE

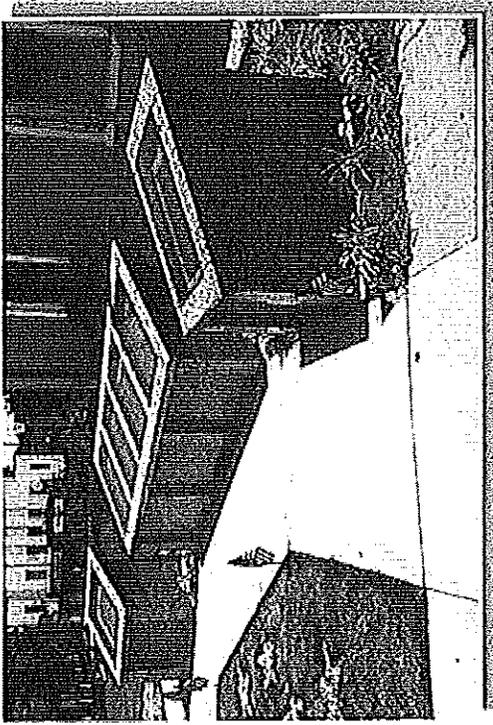
To achieve our “One Billion Person” impact, we will work with Libertyville non-profit groups such as: Rotary, Civic Center, VFW, Boy & Girl Scouts and the Libertyville Schools to help provide fundraising and educational programs. This is an educational project which will allow school teachers to bring their classes on field trips, Drama Clubs to do re-enactments of the Declaration signing, Veterans to hold Patriotic Ceremonies, Scout Troops to camp out and guard the Monument overnight. A lifetime of Patriotic Moments will be shared, remembered and passed on for generations to come.

We have all the pieces in place for an unveiling and dedication ceremony June 17, 2017 during Libertyville Days. In addition, July 4th we are planning a Media Event where we invite Elected Officials, Military Personnel, and Community Leaders. We need the Park and Recreations approval today, in order to proceed forward for a September 27th presentation to the Board of Trustees.

PROPOSED SUNRISE ROTARY
CONSTITUTION PARK



Build to last over 300 years!



**BURKE COUNTY
MORGANTON,
NORTH CAROLINA**

Dedicated July 2, 2014

- 4" Granite Panels
- 1/4" Etched Bronze Documents
- 3/4" Laminated Glass

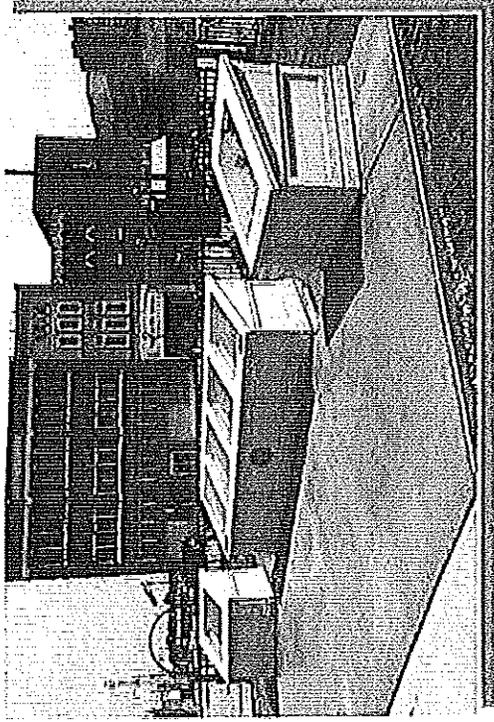
Gifted by Vance and Mary Jo Patterson To The Families of Burke County.

**MORGAN COUNTY
JACKSONVILLE,
ILLINOIS**

Dedicated May 30, 2015

- 3 1/2" Limestone Panels
- 1/4" Etched Bronze Documents
- 3/4" Laminated Glass

Gifted by Vance and Mary Jo Patterson To The Families of Morgan County.



Local students visit the Charters of Freedom Monument

[X mountainx.com/blogwire/local-students-visit-the-charters-of-freedom-monument/](http://mountainx.com/blogwire/local-students-visit-the-charters-of-freedom-monument/)

Abigail Griffin

March 22, 2016



Press release from Foundation Forward, Inc.:

*ASHEVILLE, NC: (MARCH 16, 2016). Area students recently had an up-close learning experience with our nation's founding documents. On March 9, County Commissioner **Joe Belcher** hosted a group of fifth-graders from ArtSpace Charter School, who visited the Charters of Freedom Monument located on the grounds of the Buncombe County Courthouse. The field trip allowed the students to view life-sized bronze replicas of the Declaration of Independence, U.S. Constitution and the Bill of Rights.*

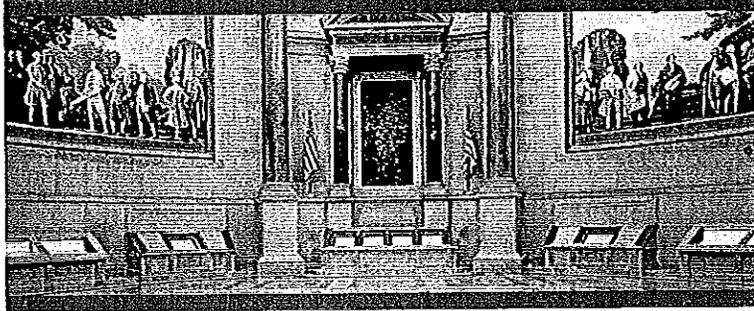
***Commissioner Belcher** said that he has as much fun as the kids when they visit the monument because he enjoys meeting with school groups and sharing the history behind the documents. He commented that students are genuinely interested in the history of the Charters of Freedom. "It really gives me a sense of patriotic pride to see the students so involved and excites me about the future leaders of our great country." **Belcher** stated. He added that he is very grateful to have the monuments available for the children and citizens of Buncombe County.*

*Dedicated on May 25, 2015, the monuments were gifted to the people of Buncombe County by the non-profit organization Foundation Forward, based in Morganton. Founders **Vance** and **Mary Jo Patterson** created the foundation with the goal of placing Charters of Freedom monuments in as many counties across the country as possible. The Buncombe County monument was the third of its kind to be installed. "We've expanded quite a bit since last year," states Patterson. "We now have monuments in Indiana and Illinois, another going under construction in South Carolina, and are approved in several other counties across the state and the country." In addition, educational materials and resources are being created for the use of teachers who host field trips to the sites.*

*For more information, or for media statements, please contact Foundation Forward, Inc. by phone or email. Founders **Vance** and **Mary Jo Patterson** are available for interviews. More information about Foundation Forward, Inc. can be found at www.chartersoffreedom.com.*

YOUR CHARTERS OF FREEDOM

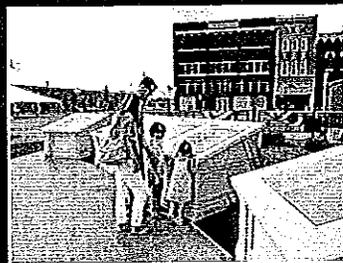
Your Declaration of Independence
Your United States Constitution
Your Bill of Rights



A GIFT FROM
FOUNDATION FORWARD, INC.
AN EDUCATIONAL 501(c)(3)

EDUCATION

Imagine school teachers bringing their 3rd and 4th grade classes on annual field trips to see your founding documents, learn about our state and local government, our Founding Fathers and local heroes.



ACCESS

All families and citizens of your county will now have local access to life-size replicas of our founding documents displayed as they are seen in The National Archives - a very impressive and emotional experience.

COMMUNITY

This is truly a community strengthening experience by allowing future generations to grow up no longer just talking about the Constitution and Bill of Rights in Washington, but talking about their Constitution and their Bill of Rights, right in their home community! These monuments are built to last 500 years.

Bring YOUR CHARTERS OF FREEDOM to your community and set them in stone!



Burke County
Morganton, North Carolina
Dedicated: July 2, 2014

Buncombe County,
Asheville, NC
Dedicated: May 25, 2015

Cherokee County
Murphy, NC
Dedicated: September 7, 2015

Morgan County,
Jacksonville, IL
Dedicated: May 30, 2015

Howard County
Kokomo, Indiana
Dedicated: August 7, 2015



Visit our website to see more Approved Site Locations!

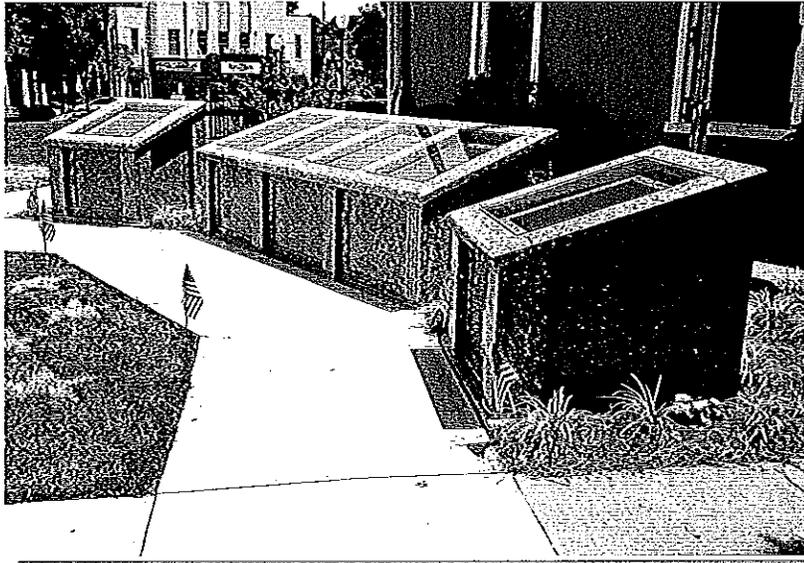
THE STORY

The first time my wife and I saw the original founding documents, something our Founding Fathers had actually penned, when seeing their signatures, I got goose bumps. When I looked at the first page of The Constitution and saw the words "We the People," I got a lump in my throat. We were both so moved we decided to build and gift a Charters of Freedom Monument to our home community of Burke County, North Carolina. It was dedicated July 2, 2014. Since then we have gifted four more monuments to communities in NC, IN, and IL at a cost of \$70,000 - \$75,000 each. Now, YOU have a chance to work with us to bring Your Charters of Freedom Monument to your community.



Foundation Forward, Inc.
134 South Sterling Street
Morganton, NC 28655
chartersoffreedom.com
828-475-6670





BURKE COUNTY
MORGANTON,
NORTH CAROLINA

Dedicated July 2, 2014

- 4" Granite Panels
- 1/4" Etched Bronze Documents
- 3/4" Laminated Glass

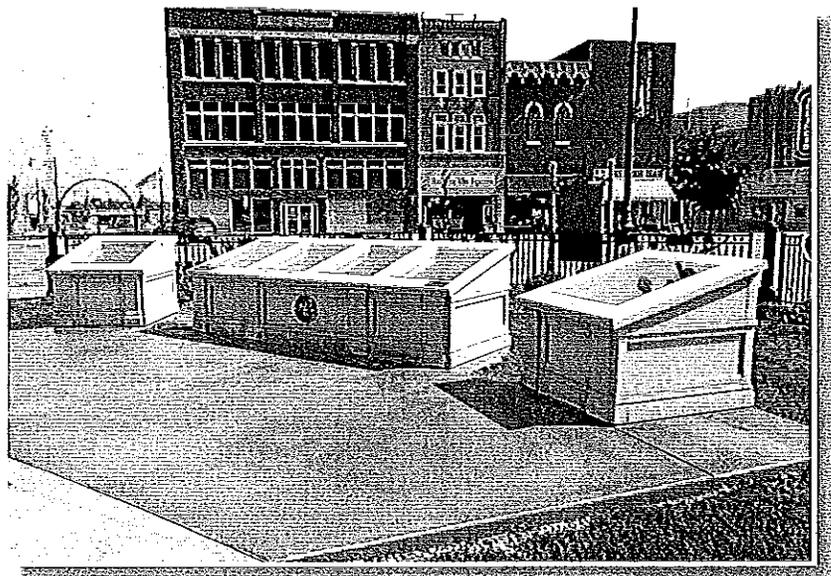
Gifted by Vance and Mary Jo Patterson To The Families of Burke County.

MORGAN COUNTY
JACKSONVILLE,
ILLINOIS

Dedicated May 30, 2015

- 3 1/2" Limestone Panels
- 1/4" Etched Bronze Documents
- 3/4" Laminated Glass

Gifted by Vance and Mary Jo Patterson To The Families of Morgan County.



COMMUNITY SUPPORT & FUNDING

Your Community Support is vital to the success of bringing Your Charters of Freedom Monument to your home community. The more people participate the more they take ownership of the project. All funds will be deposited into a local bank account designated for construction of Your Charters of Freedom Monument. Residual amounts will be used to develop educational resources for use with your county schools so your children and future generations will experience the most from Your Charters of Freedom Monument. Foundation Forward, Inc. is not seeking, nor will it accept any government funding.

COMMUNITY SUPPORT

Foundation Forward, Inc. will assist you in presenting this project to local Civic, Service, Community, Business Groups and Home Gatherings to help engage the community awareness and funding support. Newspaper and Radio ads will be supplied along with Support Letter lists for contacting able donors and for distributing information. Schools, Libraries, Veterans, and Historians will be engaged to form campaigns for fund raising. The Community Support Program will last about 90 days or until funding is complete.

ANGEL DONOR

INDIVIDUALS who will step up and support the entire funding of the monument for their community or another community will be recognized on The Dedication Plaque which will read: "This Charters of Freedom Monument Gifted By _____ to the Citizens of _____ County, and Dedicated This Day _____, 20____."

YOUR BUSINESS SUPPORT – The Gift – The Reward – The Legacy

Your company can fund the building of Your Charters of Freedom Monument and gift it to the community in the name of your company and all its employees listed on the dedication plaque. Bank loans exist which will spread payments over five years, while the tax deduction may be taken in the first year as a gift to the 501(c)(3). The Gift to your community. The Reward to your employees. The Legacy of your company and your family.

CORPORATE SUPPORT

Sponsorships are available to organizations on a local, regional, and national basis. Contributing to the general fund of Foundation Forward, Inc. provides the means needed to build the monuments in communities across the country that need help, while supporting the overhead necessary to make it all possible.

CHARTERS OF FREEDOM MONUMENT

FOR YOUR COMMUNITY

FOUNDATION FORWARD, INC. WILL ASSIST YOU WITH PLANS AND FUNDING ASSISTANCE SO YOU CAN BUILD A CHARTERS OF FREEDOM MONUMENT IN YOUR COMMUNITY.

FOUNDATION FORWARD will:

1. Approach the County Commissioners and city of The County Seat to propose the project and work toward approval. Letters of Intent will be exchanged and the project will begin.
2. Assist in initiating Community Support which is vital to the success of bringing Your Charters of Freedom Monument to your home community. The more people participate, the more they take ownership of the project. Funding models will be provided to engage the "Doers" and "Donors" of your community to support and fund the project.
3. Hire a local contractor to do the foundation and core work according the prints supplied by Foundation's architect.
4. Contract with the suppliers to provide the rock work, bronze documents, glazing, bronze plaques, vault, time capsule, and all installation work. This will be a turn-key job by Foundation Forward.

YOUR COMMUNITY will:

1. Be responsible for site work: moving sprinkler lines, tree and shrub removal, power line relocation, grading, etc.
2. Be responsible for landscaping: grass, gravel, benches, sidewalks, etc.

"WHY DO I WANT A CHARTERS OF FREEDOM MONUMENT IN MY COMMUNITY?"

Education – Teachers can take their classes on field trips to the monuments and learn about the Founding Fathers, the founding of our country, your state and local history, and local heroes.

Access – No longer will your community need to travel to see our founding documents on display in Washington, DC. They will now have their own display of the founding documents in their local community, future generations growing up with Their Constitution and Their Bill of Rights.

Community – Your Charters of Freedom Monument will become the focal point of many celebrations, bringing activities to the area. As part of the attractions in the area, the monument will become a destination for many travelers in the area, including those who have Monuments in their communities.

Direct Link to Founding Fathers – By helping to preserve the documents our Founding Fathers gave this country you will have a direct link to their efforts to establish a government to serve and protect the people.

Giving Back – Providing a Charters of Freedom Monument is an opportunity to give in a unique way that will last 100's of years.

Legacy – Your Charters of Freedom Monument will be a gift, from you and your associates to the citizens of your community. Your great grandchildren will take their grandchildren to the monuments and show what their ancestors did for the community and country.

FOUNDATION FORWARD, INC.

A 501(c)(3)

Foundation Forward is an Education project that provides Access to Your Charters of Freedom by building monuments displaying The Declaration of Independence, The Constitution, and The Bill of Rights in your Community. These monuments are placed in prominent outdoor locations central to the community, where there is high visibility, high foot traffic, and easy access for school children. These monuments are similar to the display of the original founding documents in the Rotunda of The National Archives in Washington, DC.

Your Charters of Freedom monuments are a gift from Foundation Forward to your local citizens for the benefit of the local education system, for those in school and the continuing education of others. School classes and community service groups will be encouraged to take field trips to the monuments to see and learn about these documents, our founding fathers, State and Local government, State and Local History, and local heroes. Education materials and programs will be provided by Foundation Forward on an on-going basis.

Foundation Forward set its first Charters of Freedom Monument on the Old Burke County Courthouse Green in Downtown Morganton, North Carolina. The project began on May 3, 2012 and was dedicated July 2, 2014.

Downtown Murphy, North Carolina in Cherokee County was the setting for the second Charters of Freedom Monument; dedicated Constitution Day, September 17, 2014.

Since then, three more monuments have been set in Asheville, NC, Jacksonville, Illinois, and Kokomo, Indiana.

At each of these five sites the monuments displayed your three founding documents:

The Declaration of Independence on the left.

The United States Constitution in the center.

The Bill of Rights on the right.

The six documents are the size of the originals on 1/4" etched bronze. Each document weighs over 60 lbs. and is protected by 3/4" laminated glass panel. The structure is made of either 4" polished granite panels, or 4" limestone on a reinforced concrete foundation and core. In the back of the center display is a vault with a time capsule containing letters for local officials, community leaders, organizations, and veterans. All time capsules will be opened Constitution Day, September 17, 2087.

The monuments are built to last 300 – 500 years.

Memorandum

To: Members of the Parks and Recreation Committee

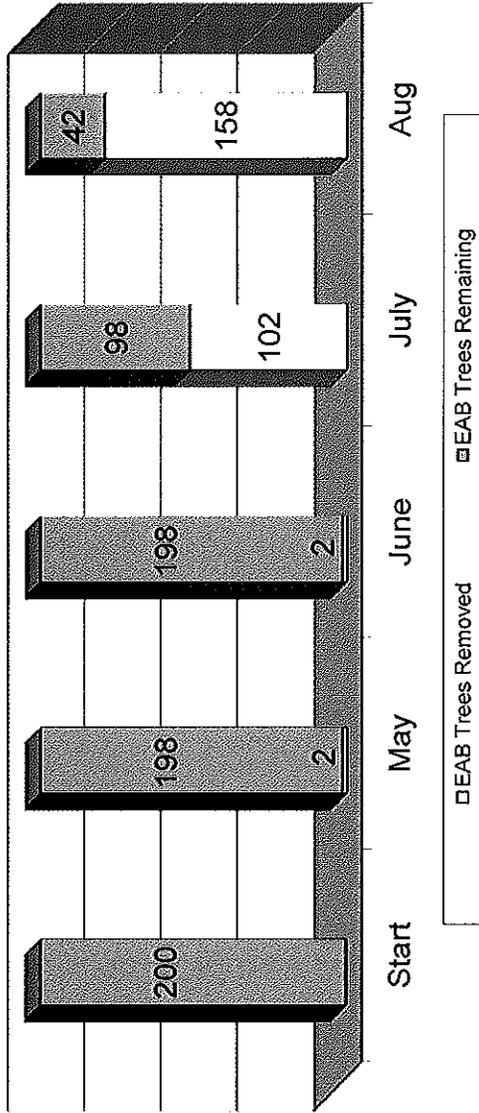
From: Connie Kowal, Director of Recreation and Sports Complex

Date: August 31, 2016

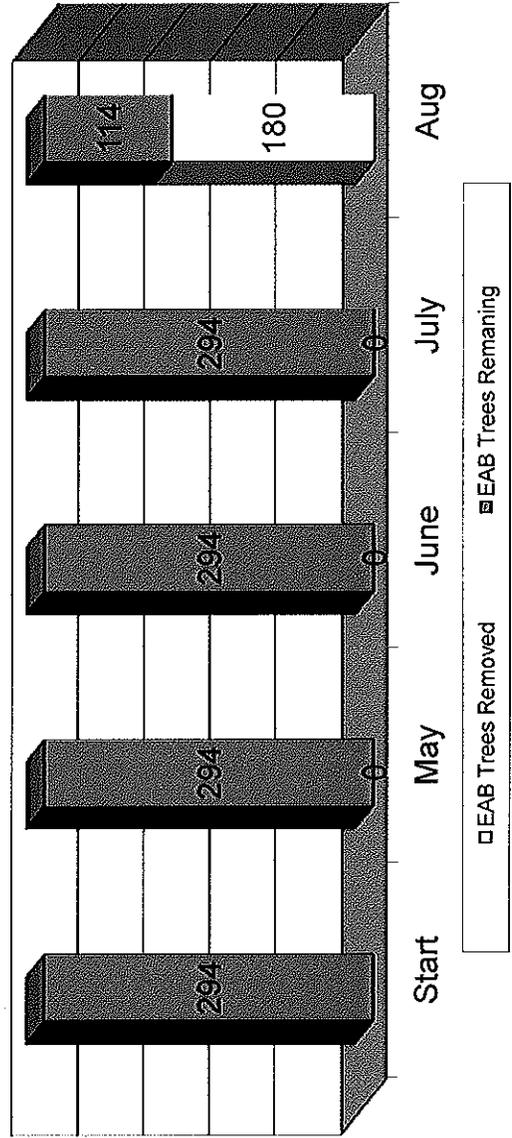
Subject: Other Updates/Follow-up

- A) LSC Website Redesign Update
- B) Libertyville Golf Course Update (Verbal)
- C) Butler Lake Sunken Garden Update (Verbal)
- D) EAB Progress Update (Attached)
- E) Libertyville Recreation and Sports Complex Events Schedule (Attached)
- F) Recreation and Sports Complex Marketing & Publicity (Attached)
- G) Other

2016-17 In House EAB Removal Goal of 200



2016-17 Contractual EAB Removals



Libertyville Sports Complex

Rockford Wildcat Basketball Tournament	August 5-7
Coerver Soccer Camp	August 8
Northbrook Camps	August 12
Sports and More Summer Camp Ends	August 19
Back to school week, fall hours resume	August 22
Mitzvah -- Deerfield	August 27
Asian National BB tournament (Chicago Chapter,PBA)	September 3-4
Church of Christ -- sports festival	September 5
Fall Programming starts	September 6
Fall Basketball leagues and clinics starting up -- IFN	Weekly through October September 10/11
Medline Employee Appreciation - BB tournament	September 11
Chicago Pet Expo Show	September 15
Volleyball Tournament	September 17/18
Balagakulum Services resume	September 17
Rehabilitation Institute of Chicago -- Wheel Chair Rugby Tournament	September 18
	September 24/25

Recreation

Adler Day Camp Week 9/10	August 1-5, 8-12 (final week)
Teen Travelers Week 8	August 1-5 (final week)
Dance Musical Theatre Performance Hairspray Jr	August 3
Tennis and Swim Camp	August 1-5, 8-12 (final week)
Group Swim Lessons	July 25-August 4 (final session)
Private Swim Lesson	August 1, 2, 3, 4 (final week)
Dolphin Swim Team	August 4 th (final day)
Deep Water Aqua Class at Adler Pool	August 8-11 (final week)
Aqua Fit at Adler Pool	July 25-August 4 (final session)
Aqua Fit at Riverside Pool	August 8-11 (final week)
Guard Start	July 25-August 4
Fall Dance Classes Start	September 12-17
Mom/Son Campfire cookout	September 16

Senior Center

Beyond the Best Seller Book Review	August 5
Birthday Bash	August 8
Senior Issue Etc	August 9
Western BBQ	August 19
Irish Fest Trip	August 19
Ice Cream Social	August 23
Windy City Tour	August 24
Closed	September 2
Closed Labor Day	September 5
Legal Advice	September 8
Birthday Bash	September 12
Lunch and BINGO	September 16
September Fest	September 23

demolish the empty Pizza Hut building, Orenchuk said. Construction plans for the new restaurant comply with zoning regulations and won't need a lengthy special hearing.

"Panera Bread has identified Mundelein as a place to

This project comes just one year after Panera Bread took over the former Tilted Kilt restaurant near Milwaukee Avenue and Townline Road in Vernon Hills and built a similar restaurant with a drive-thru.

"They're running a very successful business. I can't see them making this kind of investment if they didn't

tion across town, officials from Jewel-Osco also talked about their ongoing multimillion dollar renovation at the original store in the Townline Commons Shopping Center.

Aside from that work, an indoor swimming school and a fitness center joined the plaza in 2015, and O'Reilly Auto Parts demolished a building along Route

than a year in court, a judge in March made a foreclosure ruling against the owner, who then filed bankruptcy a day before the May 17 auction.

"Not everything happens at once, and not everything is within our control," Orenchuk said. "We're making a lot of progress, though."

rkambic@pioneerlocal.com

Libertyville looks to sell golf assets at sports complex

BY RICK KAMBIK
Pioneer Press

More than 31 acres of land around the Libertyville Sports Complex will soon be up for sale.

Village trustees went into executive session Aug. 9 to discuss the value of property they intend to sell. Mayor Terry Weppeler later confirmed Libertyville's intent to sell the 25.7-acre Golf Learning Center and 5.8-acre Family Entertainment Center,

which is operating as a miniature golf course.

"We had it on the market in the past and we tried an auction a few years ago without success," Weppeler said. "We've been keeping an eye out and we feel like the building market has improved quite a bit."

Weppeler said the programs don't generate enough revenue and have not improved much in recent years while off the market.

The property was re-

were "low balling" the village.

"Any sale, to me, should be used to pay down the bonds," Weppeler said.

Libertyville issued \$4.5 million in bonds to buy the 48-acre site and spent another \$20 million to build the Libertyville Sports Complex, according to news reports from the time.

The village budget shows Libertyville is paying \$900,000 per year toward those bonds, and in April village trustees earmarked

nine-hole golf course at Riverside Park after seeing the nearly \$475,000 price tag.

Connie Kowal, director of parks and recreation, said the Family Entertainment Center was leased to a miniature golf company in May 2012 and is more commonly known as Aloha Falls. He said an extension was signed through October 2017.

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Parking plan could clear way for rebuilding rink

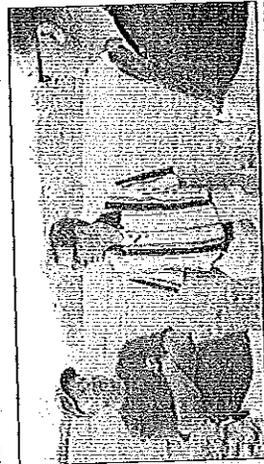
Village can add 92 spots at Libertyville Sports Complex

By RICK KAMBEK
Pioneer Press

Village officials are optimistic about a new potential home for an outdoor hockey rink after a study of the Libertyville Sports Complex found a way to add 92 new parking spots.

The rink was used for roller hockey during the warmer months and ice hockey in the winter until it was disassembled in January 2015 when Libertyville sold Bolander Park to a housing developer.

Officials identified a grassy area along Route 45 next to a softball field as a potential spot for the hockey rink, but Connie Kowal, director of parks



RICK KAMBEK/PIONEER PRESS

Scott Nelson, left, Mayor Terry Weppeler, and Village Trustee Rich Moras look at a field outside the Libertyville Sports Complex where an outdoor hockey rink might get rebuilt.

and recreation, said the plan during an Aug. 2 meeting and voted to move the rink during an Aug. 2 meeting and voted to move forward with soil testing.

If the hockey rink is placed at the edge of the required 50-foot setback from Route 45, then 22 parking spots could be built between the rink and the softball field, Chung said. Then a circle drive behind

the sports complex near a loading dock could be torn up and replaced with 70 new parking spots, according to Chung's proposal.

"Who would have thought we struggle to put a hockey rink here and end up with more parking? What a deal," said Village Trustee Peter Garrity, who is also a member of the committee.

An idea last month involved demolishing a side road south of the sports complex and rebuilding it further away from the building with parking on each side. Replacing the rear circle drive yields more parking spots, according to Chung, and committee members said it would be easier.

The committee walked around the sports complex to look at both the circle drive and open field. Along

Route 45 is a tall berm that blocks noise and view of traffic along Route 45.

Scott Nelson, a member of the local hockey club, attended the Aug. 2 meeting. "This is a nice little spot. Who around here is going to complain?" Nelson said while pointing to the hill, a distant utility line and then the sports complex.

Parking problems and its remote location were reasons the committee originally was hesitant about the sports center property. However, a proposal for Butler Lake Park was met with intense opposition from neighbors and the hills at Adler Park were deemed too complicated to build on.

Nelson admired Mayor Terry Weppeler's desire to keep the rink close enough for teenagers to walk, but he's confident the club's members can find rides.

"I'm just really glad this is still on the table," Nelson said. "It's been a topic of discussion for so long and things like that can sometimes get put on the back burner. I appreciate all the effort these guys are putting in. It really makes me and my boys feel important."

Village Trustee Rich Moras said he was pleased with the latest sports complex proposal, but he clarified to say the plan is still under review and is not final. He said further research could still uncover a problem or the full seven-person Village Board could insist upon another option.

"Yes, each step is progressing and the fact finding is moving along nicely, Kowal said. "Let's let it be thought provoking."

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Libertyville officials skeptical of golf course restoration costs

BY RICK KAMBIC
Pioneer Press

Some Libertyville officials are dismissing the idea of a restored Riverside Park golf course after a new estimate says work on the nine-hole course could cost up to \$475,000.

Libertyville signed a 10-year lease with a private company in 2013, but public documents show the village has since reclaimed rights to the course after rent had not been paid since September 2014.

The course has not been used or maintained since mid-2014, officials have said. Libertyville's Parks and Recreation Committee in July asked for estimates associated with making the course functional again.

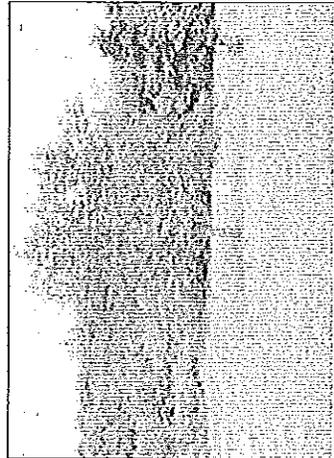
Connie Kowal, director of Parks and Recreation, gave an update during the committee's Aug. 2 meeting

and said resurfacing the tees and greens and repairing bunkers could cost between \$280,000 and \$300,000.

Those "tough numbers" came from the golf company that built Libertyville's driving range at the sports complex, according to Kowal. He said the request was clearly identified as an investigative tool and that any actual work would be publicly bid.

"The second thing we looked at was the irrigation system," Kowal said. "We turned that baby off when we thought they were going to install AstroTurf. Time was already going against it. The pump house was antiquated back then."

Village reports say the golf course is in a Des Plaines River flood plain, which has caused much of its struggles over the years. The evicted tenant was pre-



RICK KAMBIC/PIONEER PRESS

Libertyville officials estimate up to \$475,000 in work is needed to restore the golf course at Riverside Park. It hasn't been used or maintained since mid-2014.

viously planning to install costly artificial turf to prevent diseased grass and improve the recovery time after floods.

Kowal said replacing the pump station would cost about \$175,000.

Village Trustee Todd Gaines chairs the committee and was absent on Aug. 2, so Moras said he didn't want to make any final decisions.

"Personally, as only one guy with a vote, yeah it's unlikely that I'd support spending that kind of money," Moras said after the meeting. "Not everything is meant to make money, or break even for that matter, but this golf course never met expectations. I think it would be a different story if we were greatly subsidizing something that a lot of people used."

After hitting a high of 13,298 played golf rounds in 2003, the course counted 5,272 rounds in 2012, according to a parks report from that time. Prices were \$10 for Libertyville residents and \$13 for non-

residents.

who is a non-voting member of the committee, also expressed doubt in the golf course's comeback. Weppler said he's not thrilled about spending so much money on a program that loses \$80,000 per year and has a declining patronage.

Moras said if the committee agrees with his assessment they will then review options for the land and investigate future recreational ideas. He said building anything on the property would be highly unlikely because of the flooding issues.

The Parks and Recreation Committee is an advisory group, Moras noted, and the full seven-person Village Board could still choose different options, including reopening the golf course, if a majority of trustees wanted.

rkambic@pioneerpress.com

Mayor Terry Weppler,